



JIT ELECTRICAL



PROVIDE EFFECTIVE SOLUTIONS

JJTELECTRICAL.COM.CN



OUR COMPANY

Shanghai JJT Electrical Co Ltd. was founded in 2012, is one of the largest companies of manufacturers and exporters mainly of Electrical Hardware and Insulators. We also market various Electrical products on customer demand. JJT Electrical is a company with high-tech manufacturing equipment that we can manufacture with agility in addition to having highly qualified specialists and supervisors who can verify from the raw material to the finished product to ensure optimal quality.



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JJT Electrical is a company with high-tech manufacturing equipment that we can manufacture with agility in addition to having highly qualified specialists and supervisors who can verify from the raw material to the finished product to ensure optimal quality.

OUR PROJECTS

CHINA

In 2012, with the vigorous development of new energies by the government, we participated in the construction of a foundation of large-scale hydropower in the Dadu River area of the State Bureau of Energy.

Among them, our company plays a extremely important role in the transmission and security projects of energy.

AFRICA

One in three in Africa does not enjoy of the comfort of electricity. That is, around 621 million people in Africa do not have electricity.

This potential market was observed by our company in 2013. Fortunate to have participated in the construction of a batch of high electrical equipment quality in cooperation with local government in the sub-Saharan region to solve the problem of electric panic. In addition, our low voltage products also entered in the European market.





CORPORATE SERVICE 01

We provide customs products, sell and export all types of electrical goods.

We have professional engineers to provide exclusive services on product design.

We have a production team dedicated to provide efficient and high-quality personalized services.

And finally, a team of more than 10 years of work experience in export trade.



CORPORATE SERVICE 02

Provide design and technical advice and construction of various types of power plants and equipment.

Provide design and construction of power plants, various voltage levels of power plants, transmission and distribution lines, distribution facilities and construction of new power plants, urban roads, building lighting and landscape lighting, installation of mechanical and electrical equipment, electricity sales operations, electricity operation and maintenance.



CORPORATE SERVICE 03

We provide search service for suppliers, export agents, freight forwarding, insurance, factory inspection and translation services.

1. Due to the accumulated contacts in different industries it can efficiently help to find suppliers in different industries. 2. We can provide very favorable price agent export services. 3. We can provide national and international shipping and transportation services, door-to-door service. 4. Available for the purchase of cargo insurance services. 5. We provide factory inspection qualification services. 6. Written services and interpreters available in different languages.



REFERENT SALES

01 NORTH AMERICA

MEXICO, EE.UU,CANADA

02 LATIN AMERICA

PERU, COLOMBIA,
EL SALVADOR, URUGUAY, CHILE

03 ASIA

VIETNAM, JAPAN, KOREA, MALAYSIA,
PAKISTAN, INDIA

04 EUROPE

SPAIN, FRANCE, ITALY, GERMANY

05 AFRICA

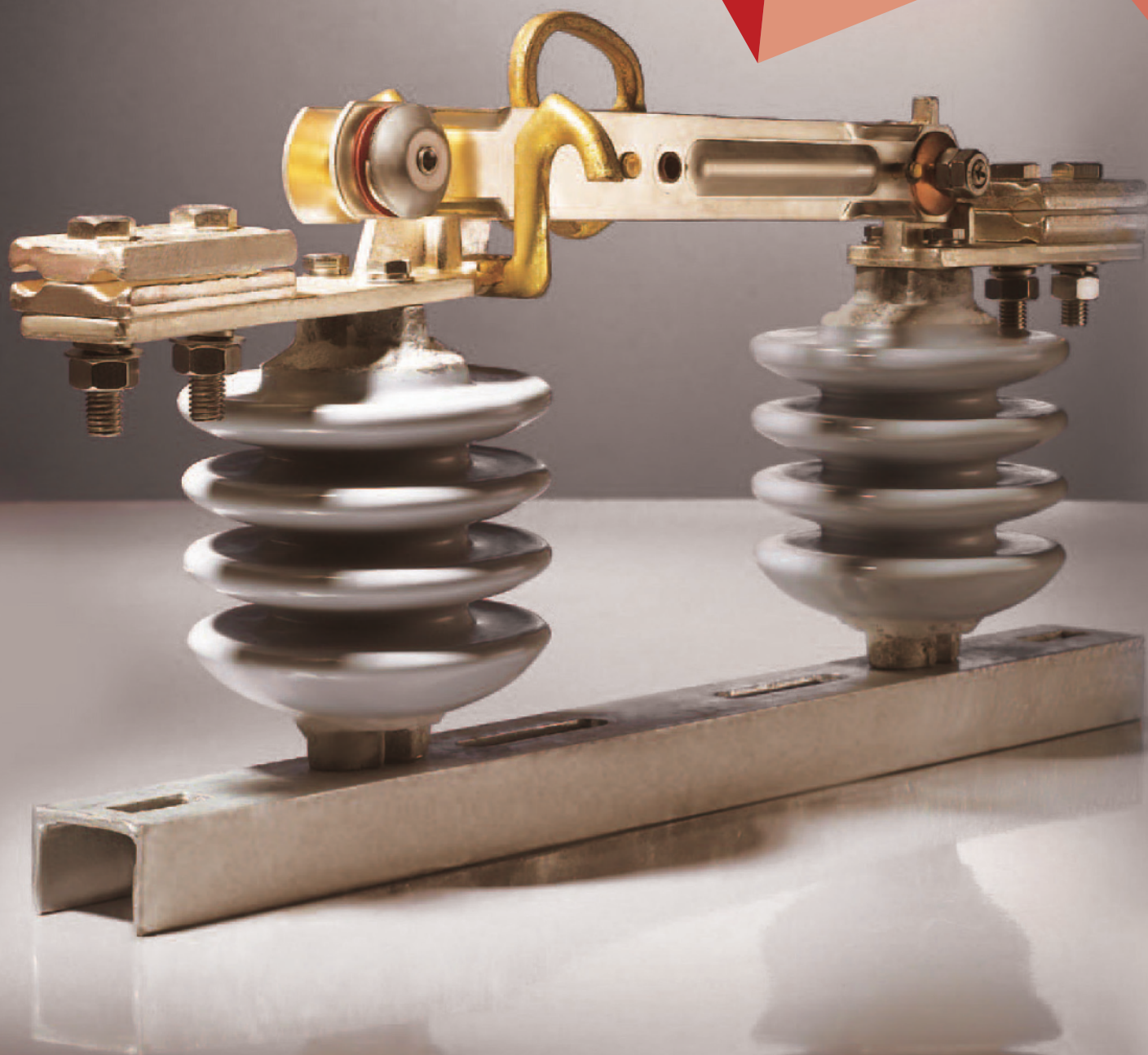
ANGOLA, JAMAICA, GHANA

06 MIDDLE EAST

TURKEY, EGYPT, MOROCCO

SECCIONADORES

disconnecting switch



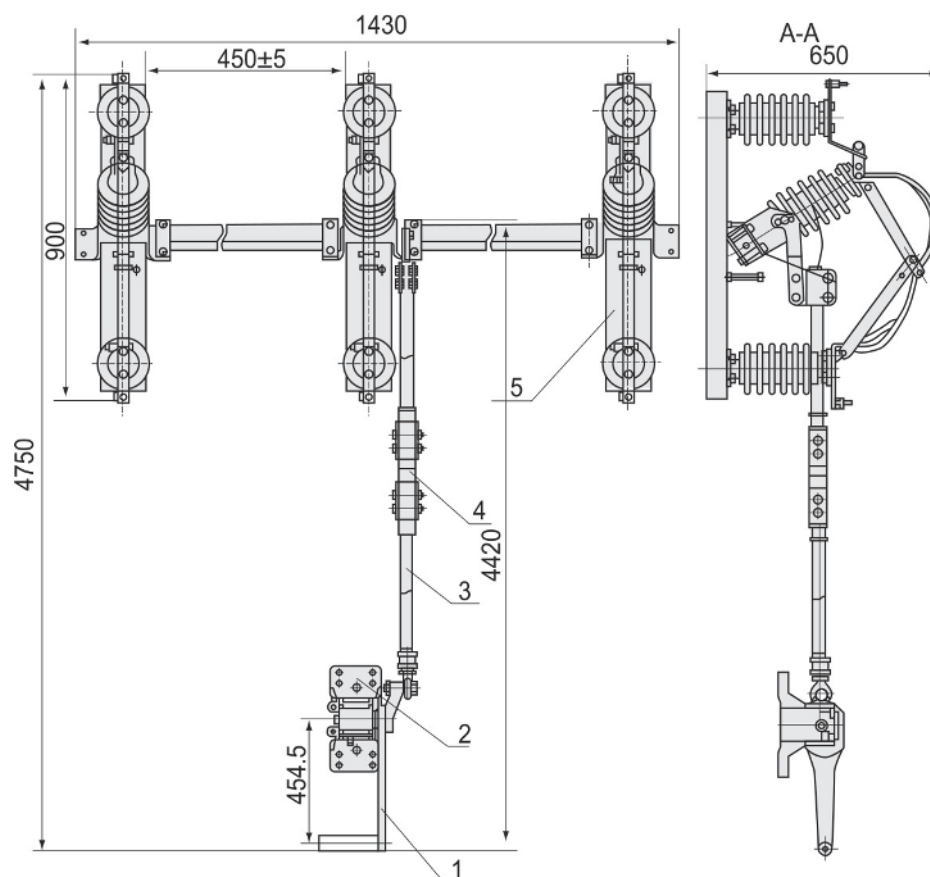


Summary

Outdoor AC Gang isolator switch 11KV/400A-33KV/600A used in 3 phase AC 50/60Hz power circuit, it is used as switching on and switching off at the voltage with no load. It apply to IEC standard. IEC60964: 1996, IEC62271-102:2002

Technical Specification

Type	Rated voltage (kV)	Rated current (A)	4S heat steady e.c. (A)	Rated peak withstand current (A)	Impulse withstand voltage		Power-frequency withstand voltage	
					To earth (kV)	Across the isolating distance (kV)	To earth (kV)	Across the isolating distance (kV)
RH-B	11	400	12500	31500	75	95	38	42
	33	600	12500	31500	170	195	70	80



GWR-12/36 OUTDOOR AC HIGH VOLTAGE DISCONNECT SWITCH (FUSE TYPE)

Summary

GWR-12/36 outdoor AC. high voltage fused type disconnect switch (disconnect switch for short) is used in electric power system with rated frequency 50/60Hz, rated voltage 12/36kV. Its main for making or breaking circuit under line supplying voltage in outdoor high voltage distribution system equipments. Thereof anti-pollution type disconnect switch is especially used in serious polluted area. It accords with standards of IEC62271-103: High voltage switches.



Ambient Condition

- Altitude: $\leq 1000\text{m}$;
- Ambient temperature: $+50^{\circ}\text{C} \sim -30^{\circ}\text{C}$;
- Wind speed: $\leq 35\text{m/s}$;
- Earthquake intensity: ≤ 8 degree;
- Air pollution: IV;
- Ice thickness: $\leq 10\text{mm}$;
- Applicable occasions of normal type switch should free from chemistry aggradation, dust and other volatile & caustic thing.

Model

G W R - 12(36) / 100



Structure Feature

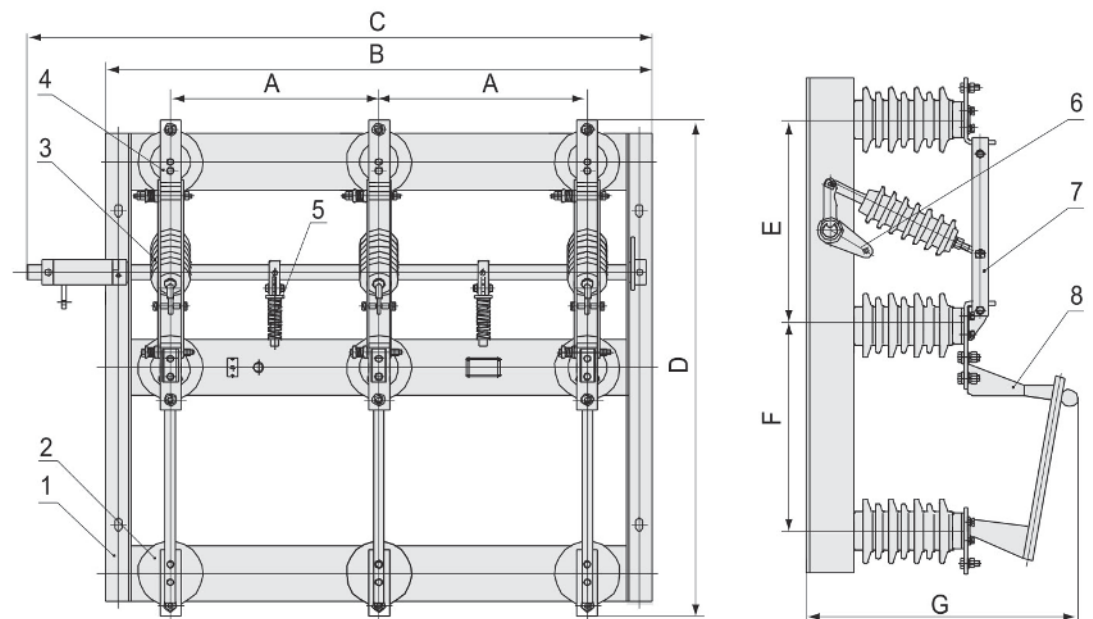
Disconnect switch is composed of fuse components, frame and operating insulator, fixed contact, contact blade and linkage spring mechanism.

- Cutout fuse assemble: mainly combine with upper, down movable and fixed contact, arc extinguish bushing, insulator and mount support parts, during normal work, the fuse linking the moving joint of the arc extinguish bushing with movable contactor, the arc extinguish bushing is at closed position under the pressure of the fixed contactor.
- Frame: Base is bended from steel sheet, axis with pulling arm cross through frame center. Holes drilled on base are used for fixing post insulator.
- Post and operating insulator: anti-erode post insulator.
- Fixed contactor: contact blade made of red copper plate, fixed on post insulator and extended level plane end as for connecting wire and upside of curve connected both side reliable with contacting blade.
- Contact blade: it's made of two rectangle section red copper plates, both ends of contact blade attached with spiral spring to adjust contacting pressure.
- Switch could be operated combined with CS mechanism vertical mounting on outdoor double electric poles.

Technical Specification

No.	Item		Unit	Data	
1	Rated voltage		kV	12	36
2	Rated current		A	100	100
3	Rated frequency		Hz	50/60	50/60
4	Maximum breaking current		kA	5	5
5	Main circuit resistance		μ Ω	≤150	≤150
6	1min. PF withstand voltage (dry)	Phase to phase/ earth across open contacts	kV	42/48	95/115
7	1min. PF withstand voltage (wet)			30	85
8	Lightning impulse withstand voltage			95/110	185/215
9	Mechanical life	Disconnect switch	Times	2000	2000
		Fuse cutout		300	300

Outline Dimension



- | | | |
|------------------------|----------------------------|---------------------|
| 1. Frame | 4. Contact | 7. Disconnect blade |
| 2. Post insulator | 5. Spring | 8. Cutout fuse |
| 3. Porcelain insulator | 6. Rotate shaft corner arm | |

Type	Main outline dimension(mm)						
	A	B	C	D	E	F	G
GWR-12/100	400	1050	1200	1073	400	490	667
GWR-36/100	500	1300	1450	1433	550	640	909

Outline Dimension

Fig.1 GW1-12, 36

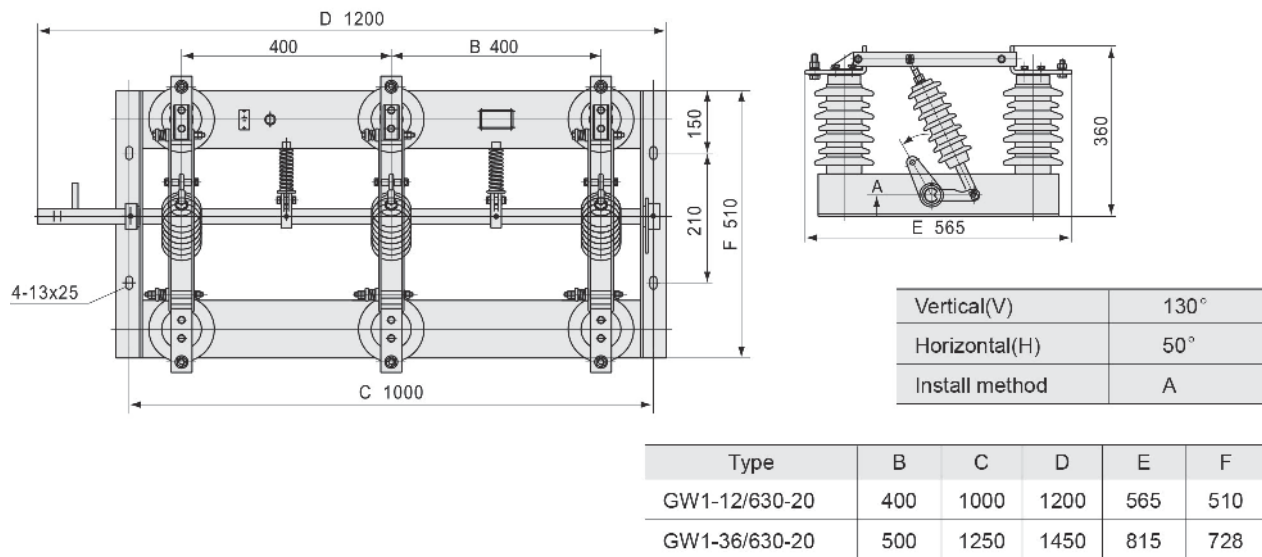


Fig.2 GW1-12, 36D with earthing blade

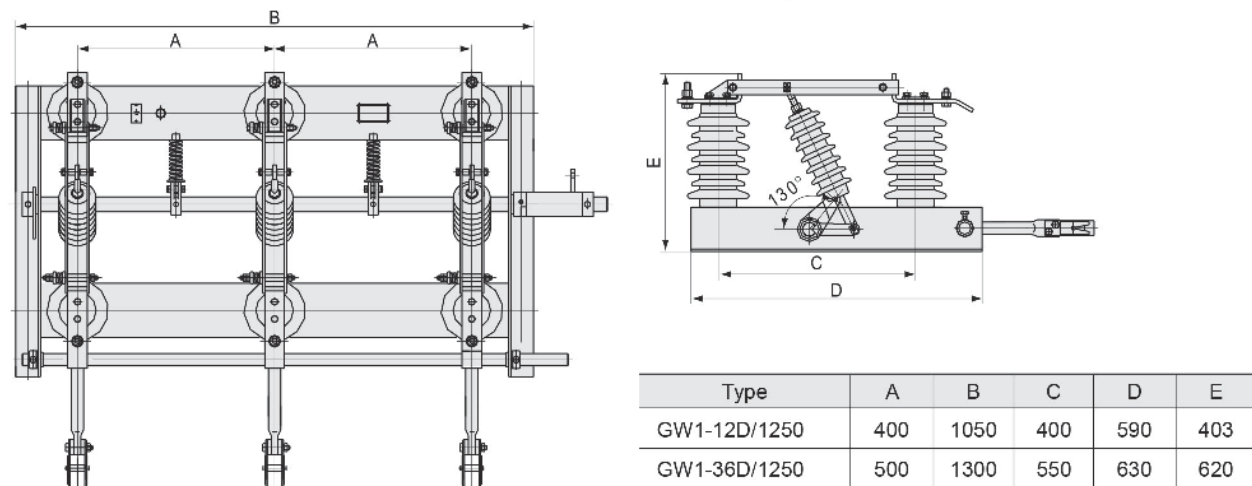
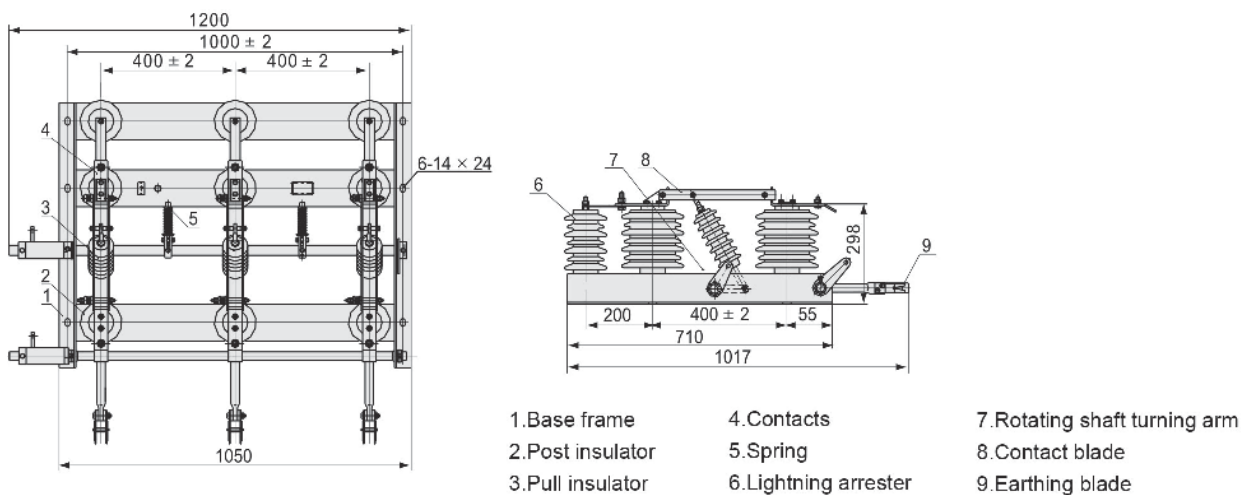
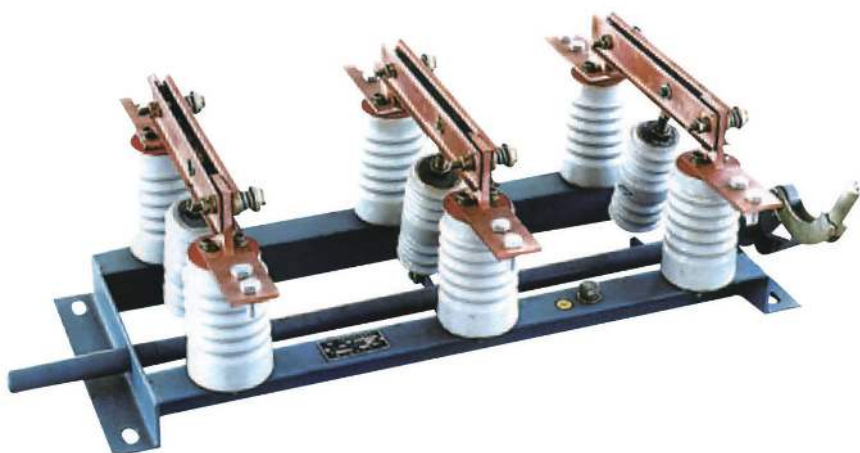


Fig.3 GW1-12, 36D with earthing blade and lightning arrester





Summary

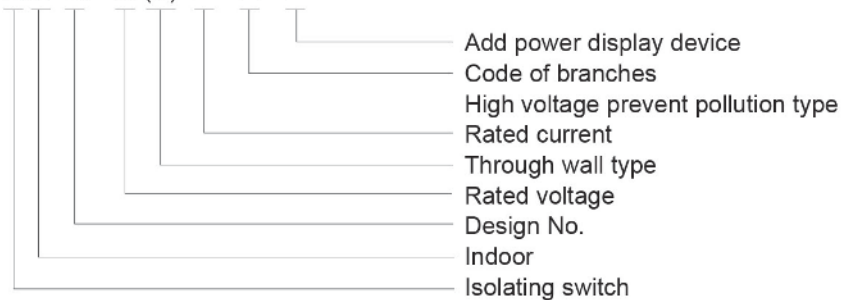
GN19-12 series isolate switch(indoor), used for in the three-phase AC 50/60Hz, rated voltage 12kV power system, comply with CS6-1 type manual operation mechanism which can be used for opening and closing loading current overloading current and short-circuit. Some type can also be used at heavy pollution or high altitude area.

Service Conditions

- The altitude: 1000m~3000m
- The ambient temperature: -30℃~40℃
- The relative humidity of air: monthly≤90℃, daily≤95℃
- The wind pressure: ≤700pa(wind speed 34m/s)
- Amplitude: earthquake degree 8
- Environment degree: degree III
- Cannot be use on the condition of the danger of fire and blast, heavy pollution, chemical etching, strong shake etc.

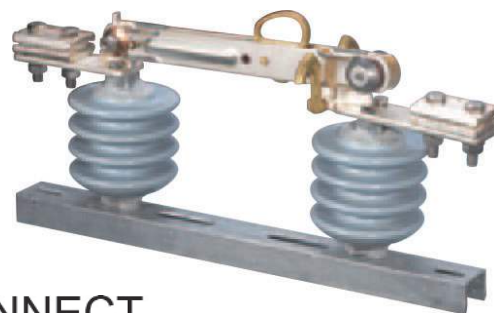
Model

G N 19 - 12 (C) □ - □ - □



Technical Specification

Code No.	Rated voltage (kV)	Rated current (A)	Rated short time withstand current (4s) kA	Rated peak withstand current kA
GN19-12/400-12.5	12	400	12.5	31.5
GN19-12/630-20	12	630	20	50
GN19-12/1000-31.5	12	1000	31.5	80
GN19-12/1250-12.5	12	1250	31.5	80
GN19-12C/400-12.5	12	400	12.5	31.5
GN19-12C/630-20	12	630	20	50
GN19-12C/1000-31.5	12	1000	31.5	80
GN19-12C/1250-31.5	12	1250	31.5	80



RH-A-15KV/27KV/38KV OUTDOOR DISCONNECT SWITCH(DISTRIBUTION TYPE)

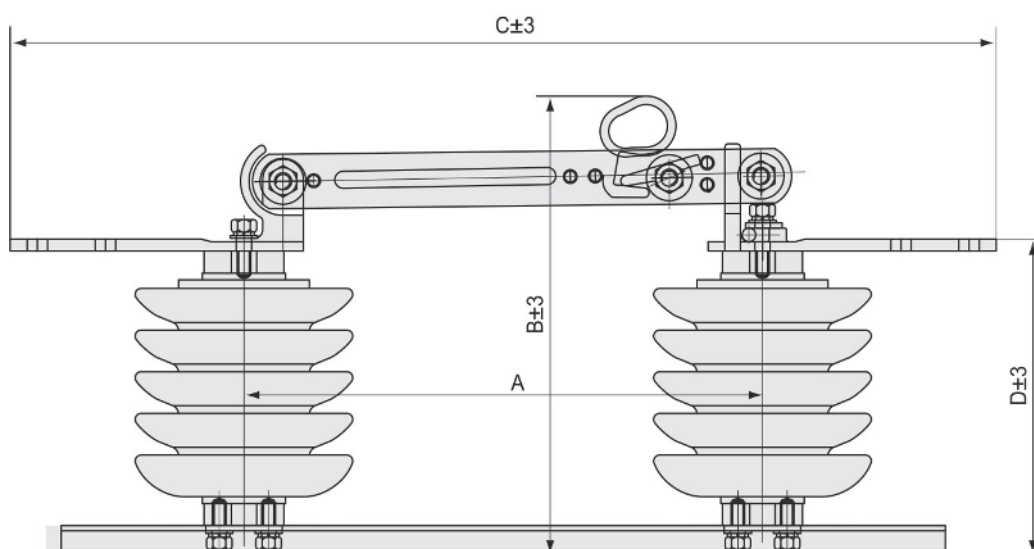
Summary

Outdoor disconnect switch used in 15KV、27KV and 38KV power distribution systems, with current from 200 to 630A. and it used as switching on and switching off at the voltage with no load.

Technical Specification

Nominal voltage (kV)	Maximum voltage (kV)	BIL (kV)	Nominal current (A)	Transient current (kA/1s)	Dimensions			
					A	B	C	D
13.8	15	95	200/630	16	305	270	580	186
13.8	15	95	630	25	305	313	595	230
13.8	15	110	200/630	16	381	270	650	186
13.8	15	110	630	25	381	313	670	230
24.2	27	125	200/630	16	381	310	650	228
24.2	27	125	630	25	381	340	670	260
34.5	38	150	630	25	381	368	670	290
34.5	38	170	630	25	381	400	670	316

Outline Dimension



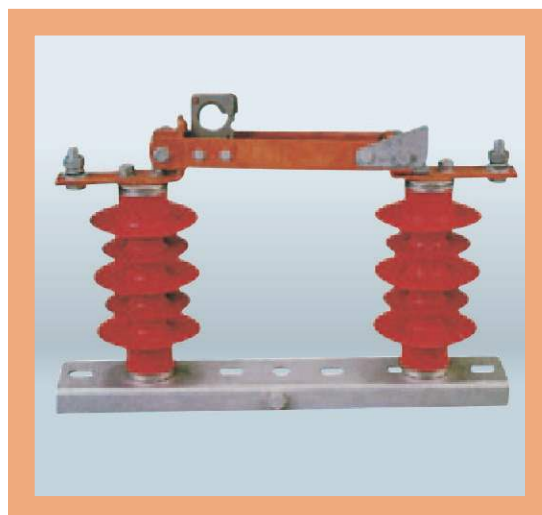


Type	Rated voltage(kV)	Rated current(A)	Breaking current(A)
JDW2-0.5/800	0.5	500	30~500
JDW2-0.5/800	0.5	800	30~800

Type	Rated voltage(kV)	Rated current(A)	Breaking current(A)
HJDW2-0.5/800	0.5	500	30~500
HJDW2-0.5/800	0.5	800	30~800



Type	Rated voltage(kV)	Rated current(A)	4S Heat steady e.c	Shock voltage (A)	Impulse withstand voltage		Power-frequency withstand voltage	
					Relatively earth	Between fracture	Relatively earth	Between fracture
Gw9-10W/200	12	200	12500	31500	75	85	38	42
Gw9-10W/400	12	400	12500	31500	75	85	38	42
Gw9-10W/630	12	630	12500	31500	75	85	38	42
Gw9-10W/1000	12	1000	12500	31500	75	85	38	42



Type	Rated voltage(kV)	Rated current(A)	4S Heat steady e.c	Shock voltage (A)	Impulse withstand voltage		Power-frequency withstand voltage	
					Relatively earth	Between fracture	Relatively earth	Between fracture
HGw9-10W/200	12	200	12500	31500	75	85	38	42
HGw9-10W/400	12	400	12500	31500	75	85	38	42
HGw9-10W/630	12	630	12500	31500	75	85	38	42
HGw9-10W/1000	12	1000	12500	31500	75	85	38	42

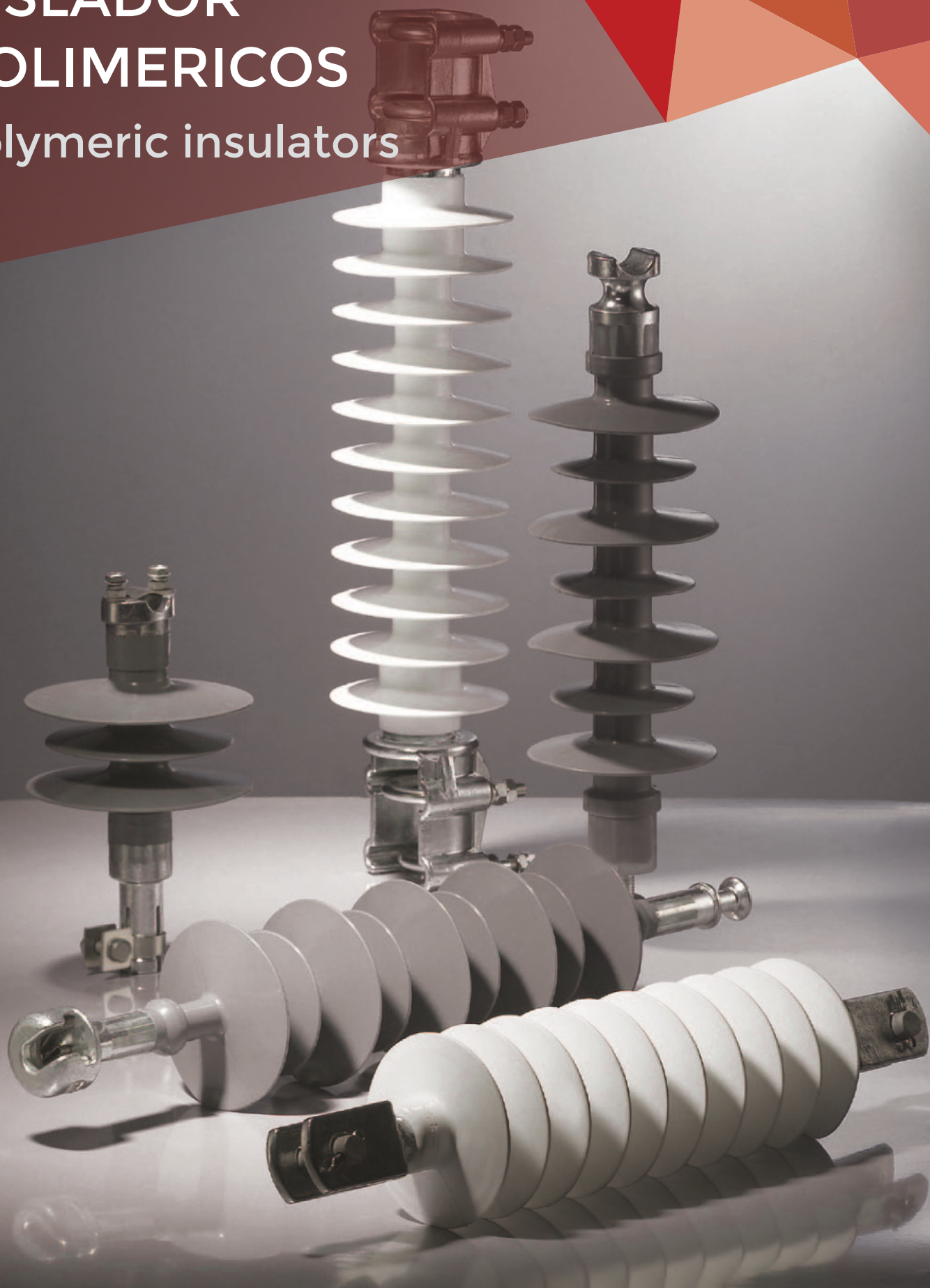


Type	Rated voltage(kV)	Rated current(A)	4S Heat steady e.c	Shock voltage (A)	Impulse withstand voltage		Power-frequency withstand voltage	
					Relatively earth	Between fracture	Relatively earth	Between fracture
Gw9-15G/400	15	400	12500	31500	75	85	38	42
Gw9-15G/630	15	630	12500	31500	75	85	38	42



AISLADOR POLIMERICOS

polymeric insulators





FXBQ2-33/70D FXB2-35/70UD FPQ2-36/5 FXBQ2-36/70 FXB2-24/70DD FXBW2-24/70UD FXB1-24/70DD FXB2-24/70UD FXBQ2-25/70D FXB2-33/70UD

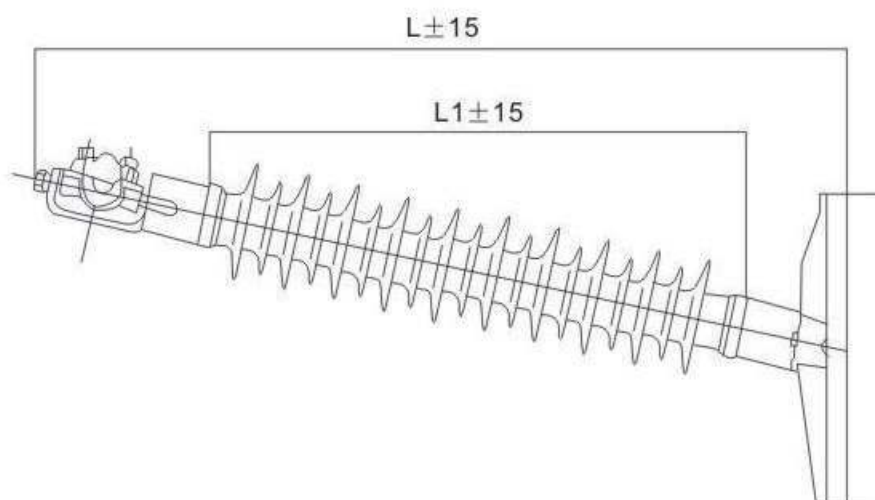
Type	Rated voltage(kv)	Rated mechanical load(kN)	Height (mm)	Insulating Li(mm)	Min Nominal creepage distance(mm)	Diameter of shed D.(mm)	1 min power frequency wet withstand voltage(kv)	Full wave lighting impulse withstand voltage (peak value) kV
FPQ-24/4	24	4	335	273	655	146/112	60	125
FPQ-24/6	24	6	310	210	535	120	60	125
FPQ-36/5	36	5	450	340	950	145/115	95	125
FXBW2-12/70UD	12	70	350	180	360	98/88	95/42	105
FXB2-15/70UD	15	70	375	200	470	98/88	42	105
FXB2-24/70UD	24	70	430	290	680	98	42	150
FXB2-28/70UD	28	70	430	290	680	98	95	230
FXB2-33/70UD	33	70	550	360	720	98	95	230



FXBW2-12/70UD FPQ2-24/6 FPQ2-24/4 FXBW2-12/70WD FXB2-24/70QQ FXB2-24/70WD FXB2-24/70WW



Code No.	rated voltage (kV)	specified mechanical load(kN)	section length (mm)	min.Arc distance (mm)	leakage distance (mm)	lighting impulse withstand BIL(kV)	Power frequency withstand (wet)(kV)
FZSW4-12	10-15	12.5	380	148	355	75	42
FZSW4-24	24-27	8/12	485	300	850	150	65
FZSW4-35	35-38	6/8/12	555	369	1050	185	95
FZSW4-66	56-72	6/8/12	960	650	1800	410	185
FZSW4-132	110-145	6/8/12	1600	1300	350	500	230



Detailed Product Description

composite insulator

1) material: polymer

2)type:SJI43-47

3)voltage:12-132KV



CORTACIRCUITOS

Fuse cutout



FSC-01



FSC-02



FSC-03



FSC-04

FSC-05



FSC-06



FSC-07



FSC-08

FSC-09



FSC-10



FSC-11



FSC-12

FSC-13



FSC-14



FSC-15



FSC-16



TYPE	Rated voltage(kv)	Rated current(A)	Breaking current(A)	Impulse voltage(BIL)	Power frequency withstand voltage	Leakage distance (MM)	Weight (KG)	Dimensions (CM)
FSC-1	12	100	6,300	110	40	250	7.3	38.5x34.5x10.5
	12	200	8,000	100	40	250	7.3	38.5x34.5x10.5
FSC-2	15	100	12,000	125	45	320	8.5	40x34.5x10.5
	15	200	10,000	125	45	320	8.5	40x34.5x10.5
FSC-3	24	100	8,000	150	60	530	12	48x34.5x10.5
	24	200	10,000	150	60	530	12	48x34.5x10.5
FSC-4	15	100	10,000	125	45	320	8.5	40x34.5x10.5
	15	200	12,000	125	45	320	8.5	40x34.5x10.5
FSC-5	12	100	6,300	110	40	250	7.5	40x34.5x12
	12	200	8,000	110	40	250	7.5	40x34.5x12
FSC-6	15	100	10,000	125	45	320	12	40x36x13
	15	200	12,000	125	45	320	12	40x36x13
FSC-7	24	100	8,000	150	65	540	12	49x35x14
	24	200	10,000	150	65	540	12	49x35x14
FSC-8	33	100	10,000	170	70	720	15	68x17x15
	33	200	12,000	170	70	720	15	68x17x15
FSC-9	11	100	6,000	110	42	340	7.5	49x27x11.5
	11	200	8,000	110	42	340	7.5	49x27x11.5
FSC-10	12	100	10,000	125	45	350	8.5	48x35x10.5
	12	200	12,000	125	45	350	8.5	48x35x10.5
FSC-11	15	100	10,000	125	45	320	8.5	48x35x10.5
	15	200	12,000	125	45	320	8.5	48x35x10.5
FSC-12	11	100	6,000	110	40	250	7.5	49x27x11.5
	11	200	8,000	110	40	250	7.5	49x27x11.5
FSC-13	24	100	8,000	170	70	540	15	56x38x14.5
	24	200	10,000	170	70	540	15	56x38x14.5
FSC-14	33	100	8,000	170	70	700	27.5	90x45x13
	33	200	10,000	170	70	700	27.5	90x45x13
FSC-15	24	100	8,000	150	65	470	13	56x38x10.5
	24	200	10,000	150	65	470	13	56x38x10.5
FSC-16	33	100	8,000	170	70	820	27.5	68x18x15
	33	200	10,000	170	70	820	27.5	68x18x15

FSC-17



FSC-18



FSC-19



FSC-20

FSC-21



FSC-22



FSC-23



FSC-24

FSC-25



FSC-26



FSC-27



FSC-28

FSC-29



FSC-30



FSC-31



FSC-32



TYPE	Rated voltage(kv)	Rated current(A)	Breaking current(A)	Impulse voltage(BIL)	Power frequency withstand voltage	Leakage distance (MM)	Weight (KG)	Dimensions (CM)
FSC-17	15	100	10,000	125	45	350	8.5	48.5x35x10.5
	15	200	12,000	125	45	350	8.5	48.5x35x10.5
FSC-18	24	100	8,000	150	65	530	12	48x34.5x14
	24	200	10,000	150	65	530	12	48x34.5x14
FSC-19	24	100	8,000	150	65	540	12	49x35x14
	24	200	10,000	150	65	540	12	49x35x14
FSC-20	24	100	8,000	150	65	470	13	56x38x10.5
	24	200	10,000	150	65	470	13	56x38x10.5
FSC-21	30	100	6,000	170	70	700	15	56x38x14.5
	30	200	8,000	170	70	700	15	56x38x14.5
FSC-22	33	100	10,000	170	70	720	15.5	57x38x14.5
	33	200	12,000	170	70	720	15.5	57x38x14.5
FSC-23	33	100	8,000	170	70	820	27.5	68x17x15
	33	200	10,000	170	70	820	27.5	68x17x15
FSC-24	36	100	6,000	170	70	870	16	90x40x13
	36	200	8,000	170	70	870	16	90x40x13
FSC-25	11	100	6,000	110	42	340	7.5	49x27x11.5
	11	200	8,000	110	42	340	7.5	49x27x11.5
FSC-26	12	100	10,000	125	45	350	8.5	48x35x10.5
	12	200	12,000	125	45	350	8.5	48x35x10.5
FSC-27	15	100	10,000	125	45	320	8.5	48x35x10.5
	15	200	12,000	125	45	320	8.5	48x35x10.5
FSC-28	11	100	6,000	110	40	250	7.5	49x27x11.5
	11	200	8,000	110	40	250	7.5	49x27x11.5
FSC-29	24	100	8,000	170	70	540	15	56x38x14.5
	24	200	10,000	170	70	540	15	56x38x14.5
FSC-30	33	100	8,000	170	70	700	27.5	90x45x13
	33	200	10,000	170	70	700	27.5	90x45x13
FSC-31	24	100	8,000	150	65	470	13	56x38x10.5
	24	200	10,000	150	65	470	13	56x38x10.5
FSC-32	33	100	8,000	170	70	820	27.5	68x18x15
	33	200	10,000	170	70	820	27.5	68x18x15



PARRRAYOS

Surge Arrester





THE TECHNICAL PARAMETERS OF TYPICAL

Type	Rated voltage (kV)	Continuous operating voltage (kV $\geq$)	1/4Steep current voltage (kV $\leq$)	8/20 Lightning current voltage (kV $\leq$)	30/60S witching current residual voltage (kV $\leq$)	2000 μ s Rectangular wave current impulse(A)	4/10 Current withstand discharge capacity (kA)	Number of photo and figure	
YH5W-3L	3	2.55	9.5	9	7.7	100	65	1	13
YH5W-6L	6	5.10	19.0	18	15.4			1	14
YH5W-9L	9	7.65	28.5	27	23.1			2	15
YH5W-12L	12	10.2	38.0	36	30.8			2	16
YH5W-15L	15	12.7	47.5	45	38.5			3	17
YH5W-18L	18	15.3	57.0	54	46.2			3	18
YH5W-21L	21	17.0	66.5	63	53.9			4	18
YH5W-24L	24	19.2	76.0	72	61.6			4	19
YH5W-27L	27	21.9	85.5	81	69.3			5	20
YH5W-30L	30	24.4	95.0	90	76.5			5	21
YH5W-33L	33	26.8	104.5	99	84.7			5	22
YH5W-36L	36	29.0	114.0	108	92.4			6	23
YH5W-42L	42	34.1	132.3	126	100.1			6	24
YH10W-3L	3	2.55	9.5	9	7.7	250	100	7	25
YH10W-6L	6	5.10	19.0	18	15.4			7	26
YH10W-9L	9	7.65	28.5	27	23.1			8	27
YH10W-12L	12	10.2	38.0	36	30.8			8	28
YH10W-15L	15	12.7	47.5	45	38.5			9	29
YH10W-18L	18	15.3	57.0	54	46.2			9	30
YH10W-21L	21	17.0	66.5	63	53.9			10	30
YH10W-24L	24	19.2	76.0	72	61.6			10	31
YH10W-27L	27	21.9	85.5	81	69.3			11	32
YH10W-30L	30	24.4	95.0	90	76.5			11	33
YH10W-33L	33	26.8	104.5	99	84.7			11	34
YH10W-36L	36	29.0	114.0	108	92.4			12	35
YH10W-42L	42	34.1	132.3	126	100.1			12	36

PARRRAYOS

Surge Arrester

Designation of type letters

Y □ □ - □ □

Additional feature

L: disconnecter

Rate voltage of MOA (kV)

Design feature

W: without gaps

Rated discharge current (kA)

Polymeric housed metal
oxide Type

Condition of use

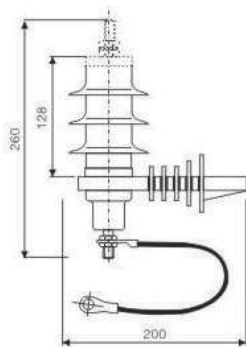
The ambient air temperatures is no higher than +40°C, no lower than -40°C.

The altitude above sea level does not exceed 2000m.

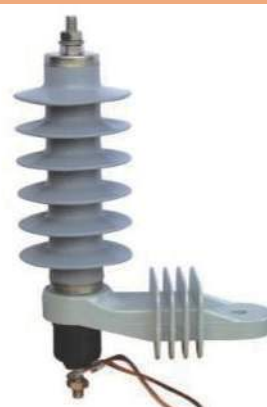
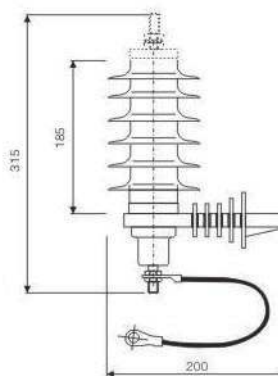
AC system frequency is 50Hz or 60Hz.
AC voltage brought to bear on arrester for a long time does not exceed arrester's continuous operating voltage.

Maximum wind speed does not exceed 35/s.

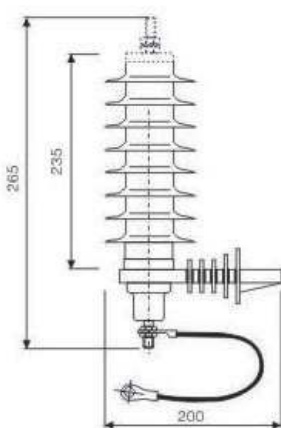
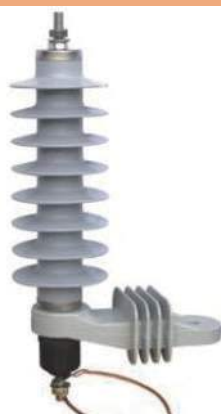
The earthquake intensity does not exceed 7 degrees.



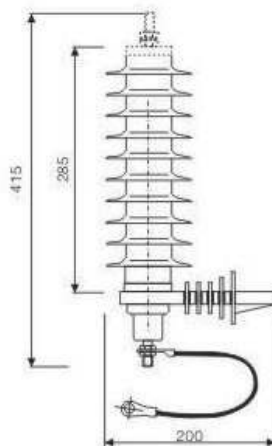
No.1 (3 umbrella)



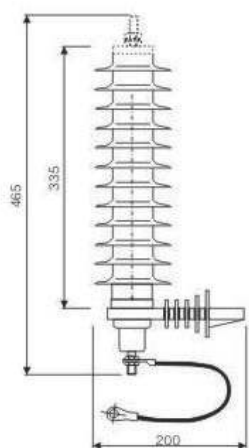
No.2 (6 umbrella)



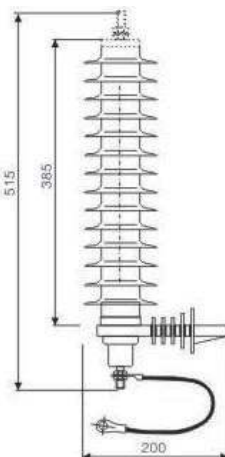
No.3 (8 umbrella)



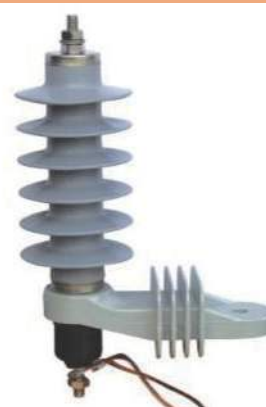
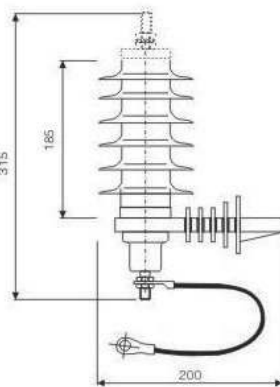
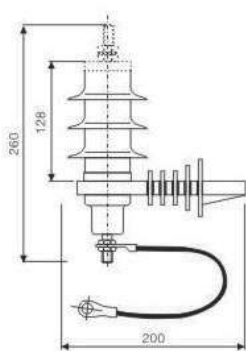
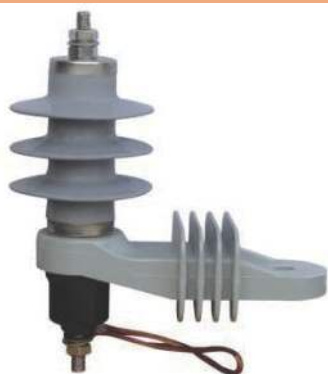
No.4 (10 umbrella)



No.5 (12 umbrella)

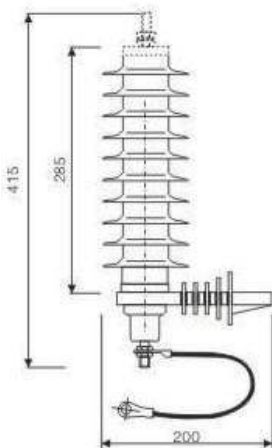
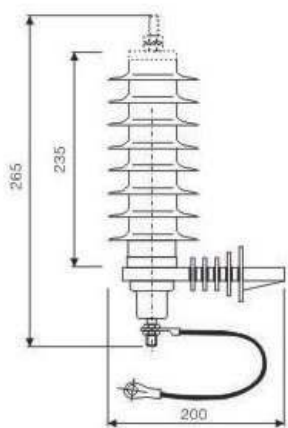
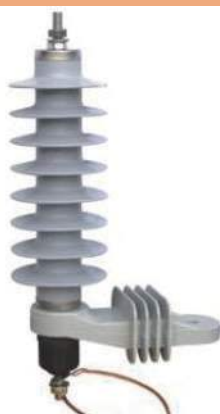


No.6 (14 umbrella)



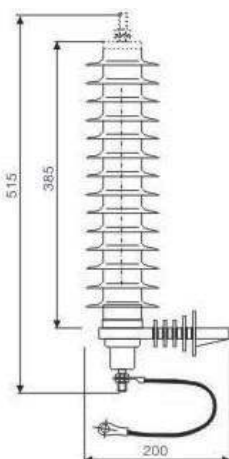
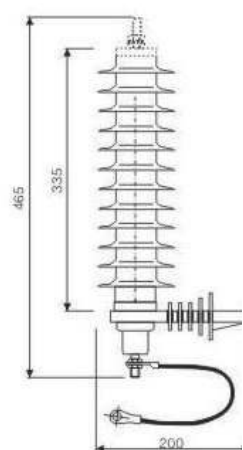
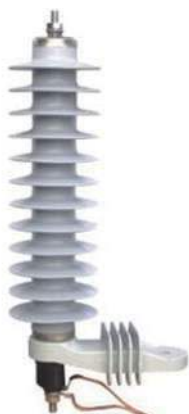
No.7 (3 umbrella)

No.8 (6 umbrella)



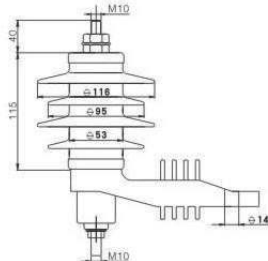
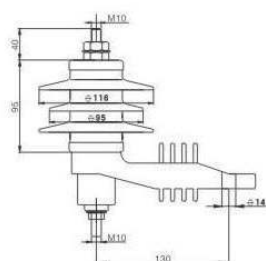
No.9 (8 umbrella)

No.10 (10 umbrella)



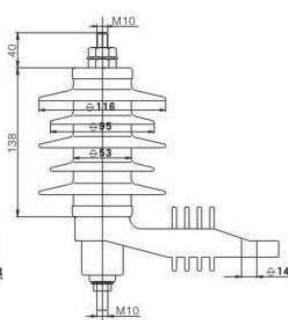
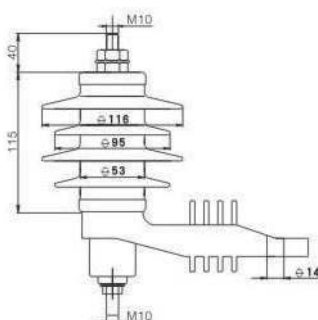
No.11(12 umbrella)

No.12 (14 umbrella)



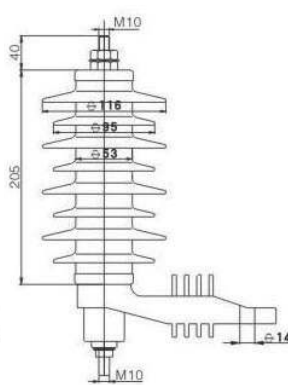
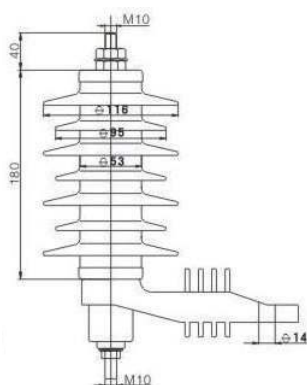
No.13 (3 umbrella)

No.14 (4 umbrella)



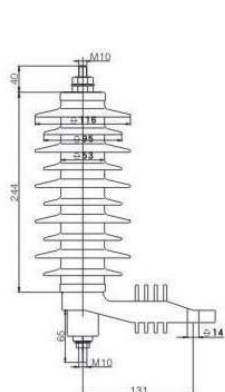
No.15 (4 umbrella)

No.16 (5 umbrella)

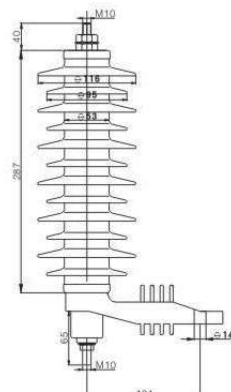


No.17(7 umbrella)

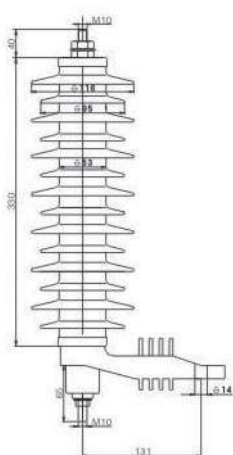
No.18 (8 umbrella)



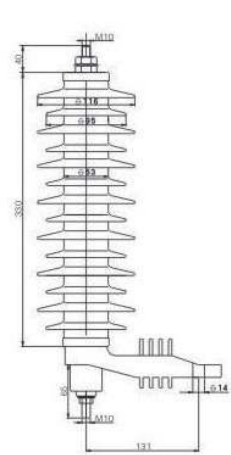
No.19 (10 umbrelli)



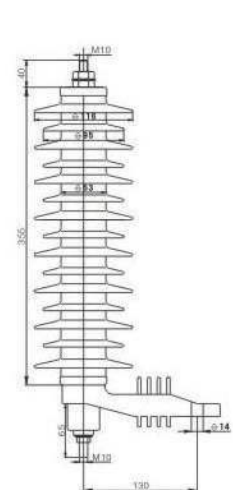
No.20 (12 umbrelli)



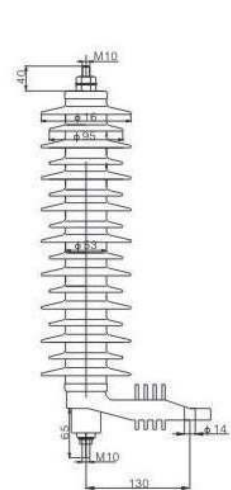
No.21 (14 umbrelli)



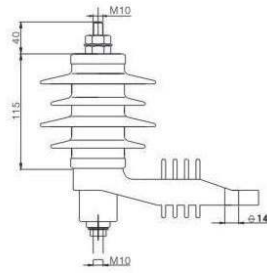
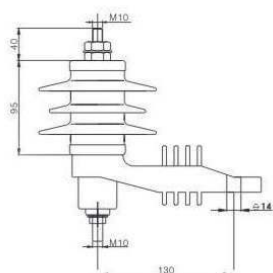
No.22 (14 umbrelli)



No.23 (15 umbrelli)

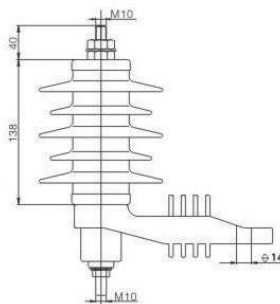
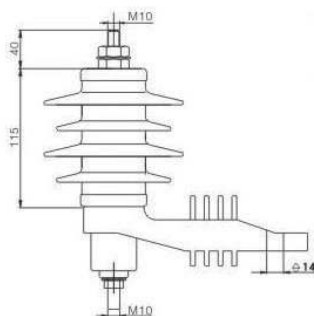


No.24 (17 umbrelli)



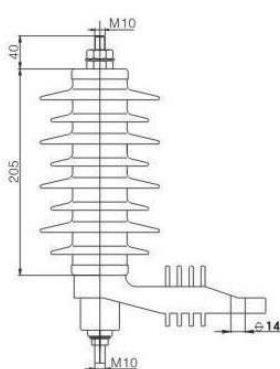
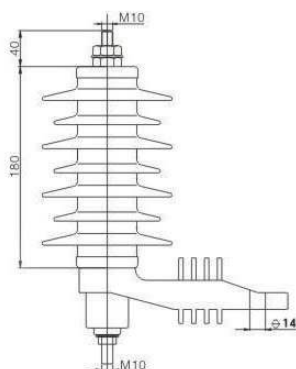
No.25 (3 umbrella)

No.26 (4 umbrella)



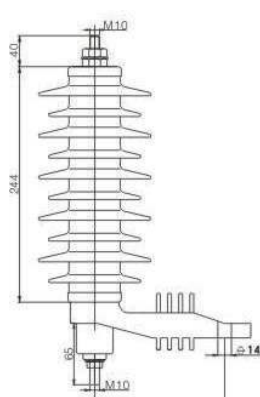
No.27 (4 umbrella)

No.28 (5 umbrella)

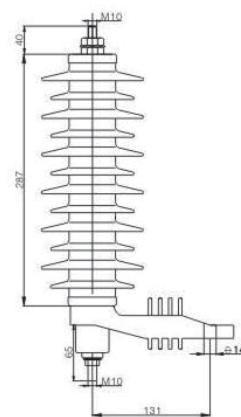


No.29(7 umbrella)

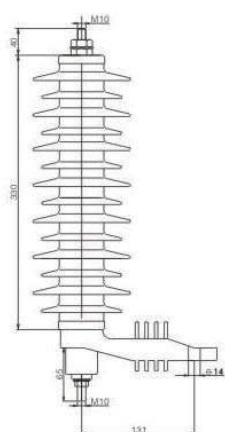
No.30 (8 umbrella)



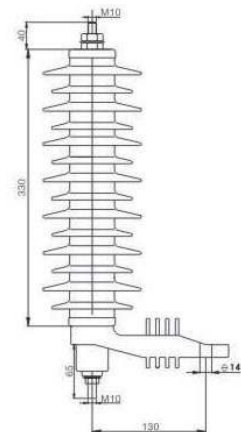
No.31 (10 umbrellae)



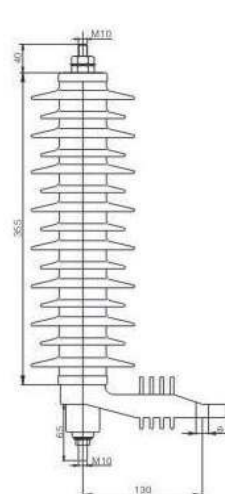
No.32 (12 umbrellae)



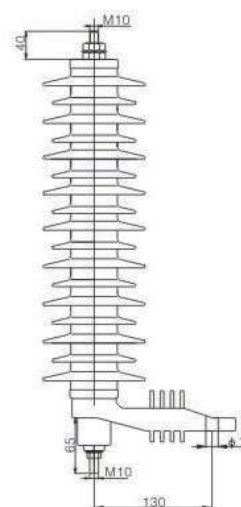
No.33 (14 umbrellae)



No.34 (14 umbrellae)



No.35 (15 umbrellae)



No.36 (17 umbrellae)

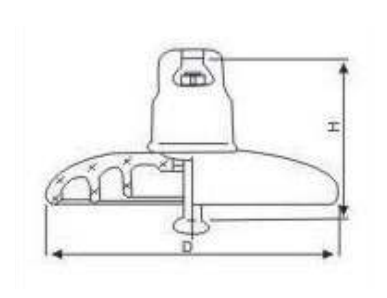


AISLADOR DE VIDRIO

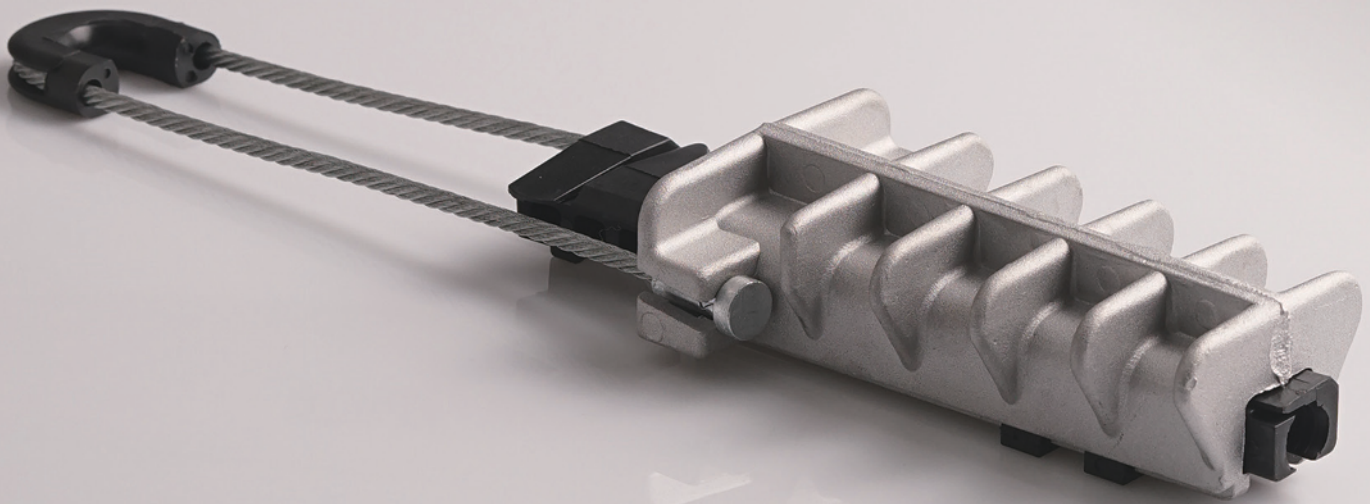
Glass insulators



Glass Type Suspension Insulator



TYPE	IECH	Min. Mechanical failing load	H	D	Creepage L	Lighting impulse Dry(kV)	Power frequency		Ball	Puncture (kV)	Weight (Kg)
							Dry	Wet			
LXY ₂ -70	U70BL	70KN	127mm	255mm	320mm	100kV	70kV	40kV	16	130kV	3.5Kg
LXY ₁ -70	U70BL	70KN	146mm	255mm	320mm	100kV	70kV	40kV	16	130kV	3.6Kg
LXY ₂ -100	U100BS	100KN	127mm	255mm	320mm	100kV	70kV	40kV	16	130kV	3.9Kg
LXY-100	U100BL	100KN	146mm	255mm	320mm	100kV	70kV	40kV	16	130kV	4.0Kg
LXY ₂ -120	U120BS	120KN	127mm	255mm	320mm	100kV	70kV	40kV	16	130kV	3.9Kg
LXY-120	U120BL	120KN	146mm	255mm	320mm	100kV	70kV	40kV	16	130kV	4.0Kg
LXY ₄ -160	U160BS	160KN	146mm	280mm	380mm	110kV	75kV	45kV	20	130kV	6.1Kg
LXY ₃ -160	U160S	160KN	155mm	280mm	380mm	110kV	75kV	45kV	20	130kV	6.3Kg
LXY-160	U160BL	160KN	170mm	280mm	380mm	110kV	75kV	45kV	20	130kV	6.5Kg
LXY ₃ -210	U210B	210KN	170mm	280mm	400mm	110kV	75kV	45kV	20	130kV	6.9Kg
LXY-240	U240B	240KN	170mm	280mm	400mm	110kV	75kV	45kV	24	130kV	7.6Kg
LXY ₃ -300	U300B	300KN	195mm	320mm	485mm	130kV	85kV	50kV	24	130kV	10.6Kg
LXHY ₄ -70	-	70KN	146mm	255mm	400mm	120kV	80kV	45kV	16	130kV	4.7Kg
LXHY ₅ -70	U70BLP	70KN	146mm	280mm	450mm	125kV	85kV	50kV	16	130kV	5.9Kg
LXHY ₄ -100	U100BLP	100KN	146mm	280mm	450mm	125kV	85kV	50kV	16	130kV	5.9Kg
LXHY ₄ -120	U120BLP	120KN	146mm	280mm	450mm	125kV	85kV	50kV	16	130kV	5.9Kg
LXHY ₃ -160	—	160KN	155mm	280mm	450mm	125kV	85kV	50kV	20	130kV	7.0Kg
LXHY ₄ -160	—	160KN	170mm	280mm	450mm	125kV	85kV	50kV	20	130kV	7.3Kg
LXHY ₇ -160	U160BSP	160KN	146mm	320mm	540mm	140kV	90kV	55kV	20	130kV	8.5Kg
LXHY ₆ -160	U160BP	160KN	155mm	320mm	540mm	140kV	90kV	55kV	20	130kV	8.7Kg
LXHY ₅ -160	U160BLP	160KN	170mm	320mm	540mm	140kV	90kV	55kV	20	130kV	9.0Kg
LXHY ₃ -210	U210BP	210KN	170mm	320mm	540mm	140kV	90kV	55kV	20	130kV	9.2Kg
LXHY ₃ -240	U240BP	240KN	170mm	320mm	540mm	140kV	90kV	55kV	24	130kV	9.9Kg



HERRAJES ELECTRICOS

Electric power fittings

**YJPA 25A**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**YJPA 25B**

Conductor	2x16-2x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**YJPA 25C**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**YJPAR20**

Conductor	2x16-2x35(mm ²)
Messenger DIA.	10-16(mm)
Breaking load	2.5(KN)

**YJPC63**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	6-16(mm)
Breaking load	3(KN)

**YJPA500**

Conductor	16-25(mm ²)
Messenger DIA.	3-9(mm)
Breaking load	6(KN)

**YJPAP1500**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**YJPAP2000**

Conductor	2x16-2x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**JBG1000-2000**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	2(KN)

**YJPA1000**

Conductor	2x16-2x35(mm ²)
Messenger DIA.	10-16(mm)
Breaking load	2.5(KN)

**YJPA1500**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	6-16(mm)
Breaking load	3(KN)

**YJPA2000**

Conductor	16-25(mm ²)
Messenger DIA.	3-9(mm)
Breaking load	6(KN)

**YJPA 235**

Conductor	2x16-2x35(mm ²)
Messenger DIA.	4-11(mm)
Breaking load	6.5(KN)

**YJPA 435**

Conductor	2x16-4x35(mm ²)
Messenger DIA.	4-11(mm)
Breaking load	8(KN)

**YJPSP 120**

Conductor	4x25-4x120(mm ²)
Messenger DIA.	10-30(mm)
Breaking load	20(KN)

**YJPSP 120S**

Conductor	4x25-4x120(mm ²)
Messenger DIA.	10-30(mm)
Breaking load	40(KN)

**YJPAS 216/435**

Conductor	2x16-4x35(mm ²)
Messenger DIA.	4-11(mm)
Breaking load	4(KN)

**YJPAT 235/50**

Conductor	2x35-2x50(mm ²)
Messenger DIA.	11-14(mm)
Breaking load	15(KN)

**YJPAT 435/50**

Conductor	4x35-4x50(mm ²)
Messenger DIA.	11-14(mm)
Breaking load	15(KN)

**YJPAT 470/95**

Conductor	4x70-4x95(mm ²)
Messenger DIA.	14-16(mm)
Breaking load	40(KN)

**YJPAT 450/120**

Conductor	4x50-4x120
Messenger DIA.	11-17(mm)
Breaking load	40(KN)

**YJPM 70**

Conductor	50-70(mm ²)
Messenger DIA.	11-14(mm)
Breaking load	15(KN)

**YJM 25**

Conductor	2x6-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	3(KN)

**YJPAZ 70/150**

Conductor	35-70/95-150
Messenger DIA.	11-14/16-21
Breaking load	30/40(KN)

**YJPAG 216/425**

Conductor	2x16-4x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	8(KN)

**YJPAG 216/25**

Conductor	2x16-2x25(mm ²)
Messenger DIA.	4-8(mm)
Breaking load	6(KN)

**YJRPA 425/50**

Conductor	4x25-4x50(mm ²)
Messenger DIA.	7-12(mm)
Breaking load	20(KN)

**YJRPA 450/120**

Conductor	4x50-4x120
Messenger DIA.	11-17(mm)
Breaking load	30(KN)

**YJPS 1500**

Conductor	25-95(mm ²)
Messenger DIA.	7.5-16.5(mm)
Breaking load	12(KN)

**YJPSP 25/120**

Conductor	2x(25-35)- 4x(16-120)
Messenger DIA.	12-42(mm)
Breaking load	12(KN)

**YJLM 1500**

Conductor	25-95(mm ²)
Messenger DIA.	7.5-15.5(mm)
Breaking load	8(KN)

**YJPS 54**

Conductor	25-95(mm ²)
Messenger DIA.	7.5-15.5(mm)
Breaking load	10(KN)

**YJPS 95**

Conductor	25-95(mm ²)
Messenger DIA.	7.5-16.5(mm)
Breaking load	10(KN)

**YJPS 95N**

Conductor	16-95(mm ²)
Messenger DIA.	5-13(mm)
Breaking load	10(KN)

**YJPS 95E**

Conductor	25-150(mm ²)
Messenger DIA.	5-21(mm)
Breaking load	30(KN)

**YJES 54-14**

Conductor	25-95(mm ²)
Messenger DIA.	5-13(mm)
Breaking load	15/8(KN)

**AC-O-07-500**

Messenger DIA.	3-7(mm)
Breaking load	7(KN)

**AC-O-10-500**

Messenger DIA.	4-10(mm)
Breaking load	10(KN)

**AC-O-08**

Messenger DIA.	3-7(mm)
Breaking load	4(KN)

**AC-O-05**

Messenger DIA.	3-5(mm)
Breaking load	2(KN)

**AC-O-06**

Messenger DIA.	3-6(mm)
Breaking load	3(KN)

**AC-O-07**

Messenger DIA.	3-7(mm)
Breaking load	6(KN)

**AC-H-6**

Messenger DIA.	2x3/2x6(mm)
Breaking load	3(KN)

**YJPTS**

Messenger DIA.	7.5-15.5(mm)
Breaking load	10(KN)

Suspension Clamp

Material: High Strength Aluminium Alloy

**YJPT 25/50/95**

Item No.	Conductor	Breaking load
YJPT 25	2x16/4x25	12
YJPT 50	4x25/4x50	43
YJPT 95	4x70/4x95	43

**YJPL 1~6**

Item No.	Conductor	Breaking load
YJPL 1	16	4
YJPL 2	25	6
YJPL 3	35	9
YJPL 4	50	13
YJPL 5	70	18
YJPL 6	95	18

OPTIC Line Accessory

TFA



SFA-D



TFA-N



T-30-01

SFA



PGP



SFA-N



SC2

SFA-B

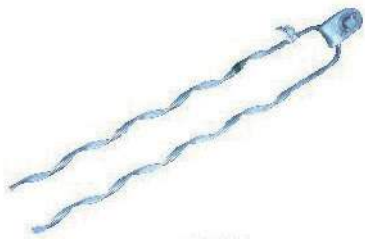


SC1



OPTIC Spiral Tightening Clamp

TSC-P



TSC-H

TSC



SSP

SSC-P



AMG

		Distance from the wall(cm)	Capacity
YJPF 93-1PC		1	DIA. 10-40mm
YJPF 1		1	DIA. 10-45mm
YJPF 2		6	DIA. 18-55mm
YJPF 3		2.5	DIA. 12-47mm
YJPF 4		3.5	DIA. 14.5-50mm
YJCR1500A		15	Breaking load(kN)
YJCR1500B		15	
	YJCR1500		
	YJCR2000		
			15
			20

YJCS 1500		Breaking load(kN) 10	YJCT 1500		Breaking load(kN) 10
YJCA25A/B	 A B	2	YJCT 2000		15

Insulator Piercing Connector:(Low Volage Series)

		Conductor Cross Section(mm ²)		Bolts QTY.
		Main	Branch	
JBC-1		35-70	6-35	1
JBC-2		35-150	35-150	1
JBC-3		50-240	50-150	2

TTD051F TTD101F TTD151F TTD201F TTD281F TTD282F TTD2D82F TTD301F TTD401F TTD451F

Conductor Cross Section(mm ²)		Bolts QTY.
Main	Branch	
16-95	1.5-10	1xM8
6-54	6-35	1xM8
25-95	(2.5)6-35	1xM8
35-95	25-95	1xM8
120-185	10-25	1xM8
25-95	2.5-35	1xM8
25-95	(2.5)6-35	1xM8
25-95	25-95	2xM8
50-185	50-150	2xM10
120-185	70-185	2xM10

LV Insulator Piercing Connector

		Conductor Cross Section(mm ²)		Bolts QTY.
		Main	Branch	
YJEP5 YJEP		2.5-35	1.5-6	1xM6
		16-95	1.5-10	1xM6
YJ2-95 YJ2-150		16-95	4-35(50)	1xM8
		50-150	6-35(50)	1xM8
YJ3-95 YJ4-150		25-95	25-95	1xM8
		50-150	50-150	2xM8

The Accessories of IPC

		Rod Cross Section	Conductor Cross Section	Note
YJF-35/70/95		35	2.5-35	1xM6
		70	25-70	1xM6
YJFT-235		95	25-95	1xM8
		70	2x(6-35)	1xM8
YJFCC		25		1xM8

Cable cap



CE6-35 CE16-150

Conductor Cross Section(mm²)

CE6-35
CE16-150

6-35mm²
16-150mm²

Insulator Piercing Connector:(Low Volage Series)

	Item No.	Conductor Cross Section(mm ²)		Bolts QTY.
		Main	Branch	
	NTD151F	16-95	2.5-35	1xM8
	NTD201F	7-95	25-95	1xM8
	NTD241F	50-150	6-35	1xM8
	NTD251F	50-150	35-95	1xM8
	NTD301F	7-95	35-95	2xM8
	NTD351F	50-150	35-95	2xM8
	NTD401F	50-150	50-150	2xM8
	IPC3.1	16-95	10-25	1
	IPC3.2	70-95	70-95	1
	IPC3.3	120-185	16-25	1
	IPC3.4	70-185	70-185	2

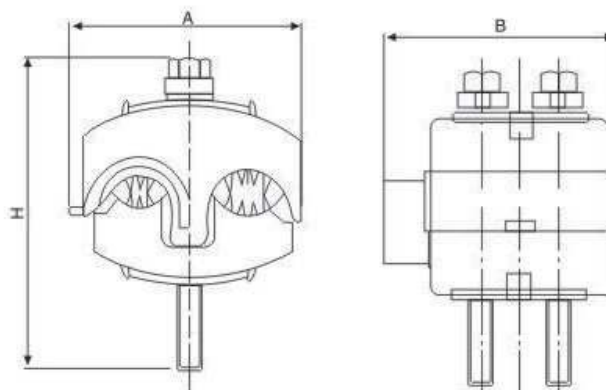
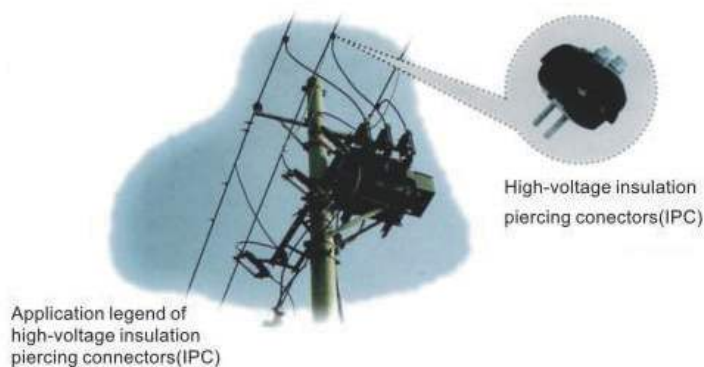
	Item No.	Conductor Cross Section(mm ²)		Bolts QTY.
		Main	Branch	
	CT-1	25-70	6-35	1
	DCNL-2	16-95	4-35	1

Insulator Piercing Connector:(10kV Series Products high Voltage Series)

Applicable to branch connection and succession of 10kV overhead insulated lead.

Type	Equivalent type	Applicable lead		Main dimensions			Nominal current	Bolt number	Piercing depth
		Main line	Branch line	A	B	H			
YJ10-240/240	JJC10-1	95~240	95~240	89	85.5	112	530	2	4.5-6
YJ10-240/150	JJC10-2	95~240	50~150	84	83	112.5	366	2	4.5-6
YJ10-185/50	JJC10-3	95~185	16~50	78.5	77.5	112.5	180	2	4.5-6
YJ10-95/70	JJC10-4	25~95	16~70	68	82.5	107.5	226	2	4.5-6
YJ10-240/50	JJC10-5	240/50	240/50	88	102	130	503	2	4.5-6

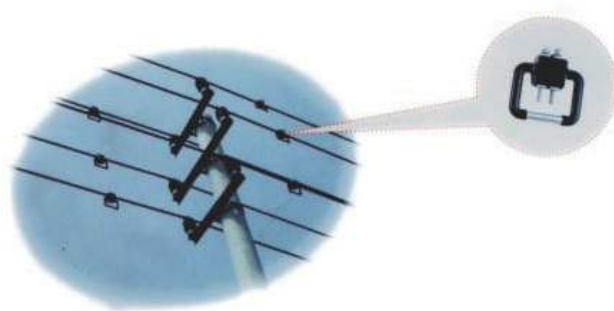
Please phone us for special specification and type



Piercing Ground Connectors

Applied to 10KV, following air insulated earth protection and temporary prove electricity.

Type	Equivalent type	Applicable voltage	Applicable lead	Main dimensions			Nominal current	Bolt number	Piercing depth
				A	B	H			
YJ10-240/150	YJ10-1	95~240	150~240	160	140	112.5	476	2	4.5-6
YJ10-185/95	YJ10-2	95~240	95~185	152	140	112.5	476	2	4.5-6
YJ10-95/25	YJ10-3	95~185	25~95	144.5	140	95.2	257	2	4.5-6
YJ10-25/95	MIN	25~95	25~95	62	102	85	276	1	4.5-6



Line Fitting

	Conductor (mm ²)	
 YJCT-70	YJCT-70	16-70/1.5-3.5
 YJCT-95	YJCT-95	35-95/4-50
 YJCT-70	YJCT-295	35-95/2x2.5-35



YJPGC-A



YJPGC-B

Item No.	Conductor(mm ²)		Messenger DIA(mm)	Tightening Torque(Nm)
	Main	Branch		
YJPGC-A	10-95AL 1.5-70CU	10-95AL 1.5-70CU	3-16	20
YJPGC-B	10-150AL 10-95CU	10-54.6AL 10-35CU	6-19/6-13.3	26



YJPGH-1



YJPF 16/95

Insulator
Bracket C200Copper Transition
Connector

BIC 10-50

Item No.	Conductor(mm ²)		Messenger DIA(mm)	Tightening Torque(Nm)
	Main	Branch		
YJPGH-1	10-95AL 1.5-70CU	10-95AL 1.5-70CU	3-16	22
YJPF 16/95	6-16AL/CU	16-95Al/CU	inside with fuse 10.3x38 l _{max} =20A	

Tools



PHASE SEPARATOR E894



ROLLER PM2



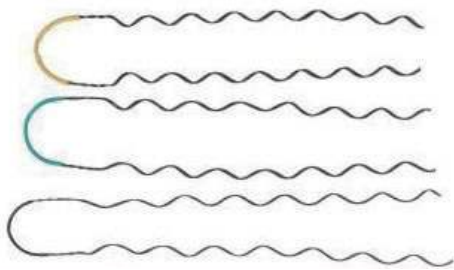
RT1



RT5

CT 10/13
CT 13/17

GUY Dead Ends



ITEM NO.	CONDUCTOR SECTION(mm ²)	COLOR MARKING
YJCB35	35-50	Yellow
YJCB70	70-95	Blue
YJCB120	120-150	Black

METAL BAND



YJT



C6 CLAMP

ITEM NO.	WIDTH(mm)	THICKNESS(mm)	LENGTH(mm)
YJCH 10A	10	0.4	25/50
YJCH 10A	10	0.7	25/50
YJCH 20A	20	0.4	25/50
YJCH 20A	20	0.7	25/50

Clips



C-1B



C-1S



C-2B



C-2S

ITEM NO.	WIDTH(mm)
C-1B	20
C-1S	10
C-2B	20
C-2S	10

PG-CLAMP With Accessories



YJPGZ-1



YJPGZ-2



AL Coil

ITEM NO.	CONDUCTOR(mm ²)
YJPGZ-1	35-150
YJPGZ-2	35-150

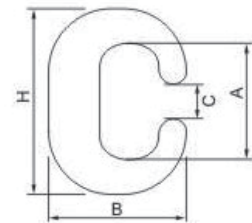
ITEM NO.	Size WxT(mm)	Length(mm)
ALT	25x3	100
Note:Can be OEM		



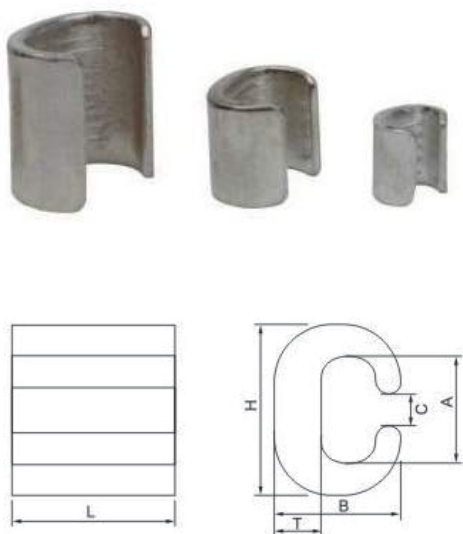
ALT

CCA C-CLAMP

Item No.	Conductor(mm ²)	Dimension(mm)					Note
		H	A	B	L	C	
CCA-1	25-35	25	20	15	20	10	Material Cu≥99.9%
CCA-2	50-70	34	24	21.5	23	11	
CCA-3	95-95	41	28	25	27	14.5	
CCA-4	120-120	48	32	29	30	16	

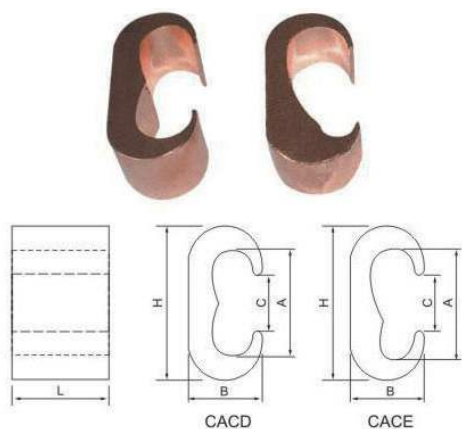


CCT C-CLAMP



Item No.	Conductor(mm ²)	Dimension(mm)					
		H	A	B	L	C	T
CCT-10	7.5-14	9.5	6.3	6.2	12	4	1.6
CCT-16	14.5-16	11.8	7.8	7.8	13	5	2
CCT-20	16.5-20	12.8	8.6	9.7	13	5.4	2.9
CCT-26	21-26	14.7	10.2	10.0	16	6.5	3.2
CCT-44	27-44	19	13.4	14.4	20	8.5	4
CCT-60	45-60	21	15.4	15.4	22	9.7	4
CCT-76	61-76	24.4	17.3	17.6	22	10.8	5
CCT-98	77-98	27.8	20.8	18.8	25	12.8	5
CCT-122	99-122	29.8	22.1	21.2	26	13.5	5.5
CCT-154	123-154	34	25.7	24.4	28	17	6
CCT-190	155-190	37	28.5	25.4	35	17.4	6
CCT-240	191-240	40	30.2	28.5	40	19	7
CCT-288	241-288	44.5	34.7	24.1	45	22.3	7
CCT-365	289-365	47.5	37.7	34	50	24.8	7
CCT-450	366-450	57	42.5	41	60	28	10
CCT-560	451-560	62	46	44	65	31	11
CCT-700	561-700	68	54	49.5	70	44	12

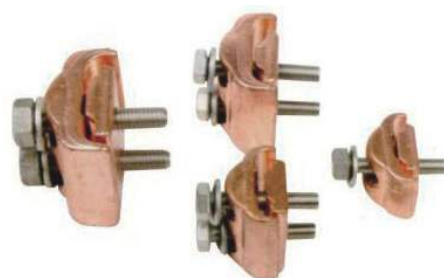
CACD/CACE C-CLAMP



Item No.	Conductor(mm ²)	Dimension(mm)				
		H	A	B	L	C
CACD-35	35	30	20	14.3	19	11
CACD-70	70	39	28	19	19	15
CACD-120	120	52	39	24	22	21
CACD-240	240	74	56	34	28	33
CACE-35/70	35/70	36	25	18	19	14
CACE-70/120	70/120	50	36	23	19	21
CACE-70/240	70/240	62	45	31	22	28
CACE-120/240	120/240	68	50	34	28	32

CUPG, Parallel Groove Clamp

Item No.	Conductor Size(mm ²)	Bolts	Note
CUPG6-70/2	6-70	2	Material Cu≥99.9%
CUPG10-70/1	10-70	1	
CUPG10-95/2	10-95	2	
CUPG16-150/2	16-150	2	



JBL(Y) Aluminium Parallel-Groove Connector

Item No.		For the type of conductor	L	L1	B
JBL(Y)-16-120	2bolts	JGJ-16-120	44	55	46
	3bolts		64	55	46
JBL(Y)-50-240	2bolts	JGJ-50-240	45	70	60
	3bolts		70	70	60
JBL(Y)-120-300	2bolts	JGJ-120-300	90	75	74
	3bolts				



TYPE-A TYPE-B COVER

JBL(Y) Copper Parallel-Groove Connector

Item No.	For the type of conductor	L	L1	B
JBL(Y)-16-120	16-120	45	55	48
JBL(Y)-50-240	50-240	45	70	60



JBL(Y) Bimetallic Parallel-Groove Connector

Item No.	For the type of conductor	L	L1	B
JBL(Y)-16-120	16-120	45	55	48
JBL(Y)-50-240	50-240	45	70	60

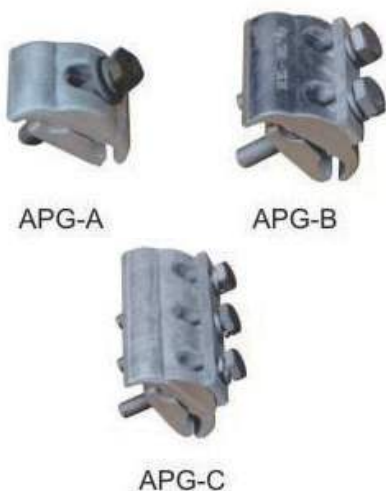


CAPG Bimetallic Parallel-Groove Connector



Item No.	Wire range(mm ²)		Bolts Qty.
CAPG-A1	CU6-50	AL16-70	1bolts
CAPG-A2	CU10-95	AL25-150	1bolts
CAPG-B1	CU6-50	AL16-70	2bolts
CAPG-B2	CU10-95	AL25-150	2bolts
CAPG-B3	CU16-185	AL35-200	2bolts
CAPG-C1	CU6-50	AL16-70	3bolts
CAPG-C2	CU10-95	AL25-150	3bolts
CAPG-C3	CU25-185	AL35-200	3bolts

APG Aluminium Parallel-Groove Connector



Item No.	Wire range(mm ²)	Bolts Qty.
APG-A1	AL16-70	1bolts
APG-A2	AL25-150	1bolts
APG-B1	AL16-70	2bolts
APG-B2	AL25-150	2bolts
APG-B3	AL35-200	2bolts
APG-C1	AL16-70	3bolts
APG-C2	AL25-150	3bolts
APG-C3	AL35-200	3bolts
APG-C4	AL35-200	3bolts

YJBTL Bimetallic PG-CLAMP



Item No.	AL Side mm ²	CU Side mm ²	Bolts Qty.
YJBTL-1A	10-50	1.5-10	1xM8
YJBTL-2A	16-95	2.2-25	1xM8
YJBTL-3A	16-120	6-35	2xM8
YJBTL-4A	50-240	10-95	2xM10
YJBTL-5A	16-70	16-120	2xM10
YJBTL-6A	16-70	16-120	3xM8

JAPG Aluminium Parallel-Groove Connector

Item No.	Wire range(mm ²)	Bolts Qty.
JAPG-1	AL25-35	2bolts
JAPG-2	AL50-70	2bolts
JAPG-3	AL95-120	2bolts



JB JBT JBTL Series Parallel-Groove Connector

JB Aluminium Parallel-Groove Connector

Item No.	Wire range(mm ²)	Dimension(mm)		
		B	L1	L2
JB-0	LGJ-16-25	36	70	M10
JB-1	LGJ-35-50	43	80	M12
JB-2	LGJ-70-95	50	112	M12

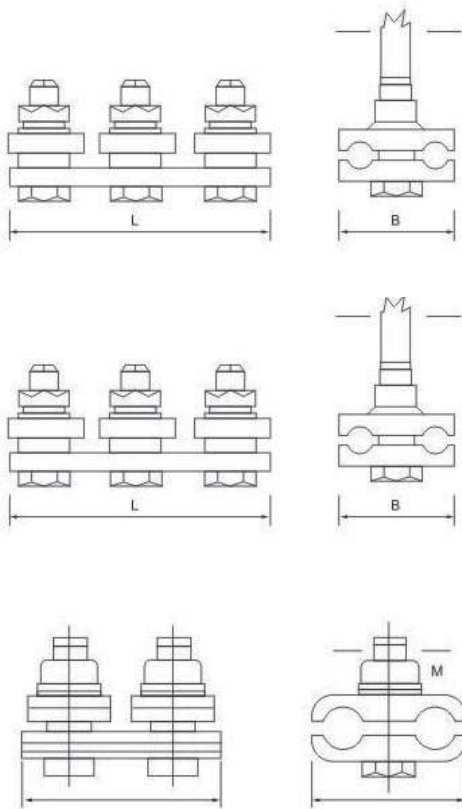


JBT Copper Parallel-Groove Connector

Item No.	Wire range(mm ²)	Dimension(mm)		
		B	L1	L2
JBT-0	16-25	35	55	M10
JBT-1	35-50	40	60	M10
JBT-2	70-95	50	65	M12
JBT-3	120-150	58	71	M12
JBT-4	185-240	65	76	M12



JBTL Bimetallic Parallel-Groove Connector

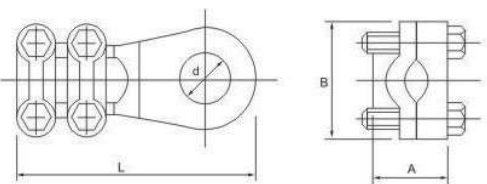


Item No.	Wire range(mm ²)	For copper wire	B	L1	L2
JB-TL-0	16-25	16-25	35	60	M10
JB-TL-10	35-50	35-50	40	70	M12
JB-TL-11	35-50	35-50	40	70	M12
JB-TL-21	70-95	70-95	50	100	M12
JB-TL-22	70-95	70-95	50	100	M12
JB-TL-31	120-150	120-150	63	106	M12
JB-TL-32	120-150	120-150	63	106	M12
JB-TL-33	120-150	120-150	63	106	M12
JB-TL-41	185-240	185-240	65	110	M12
JB-TL-42	185-240	185-240	65	110	M12
JB-TL-43	185-240	185-240	65	110	M12

WCJC Copper lugs with Clamps

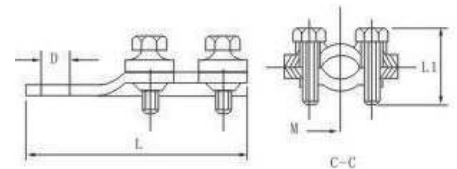
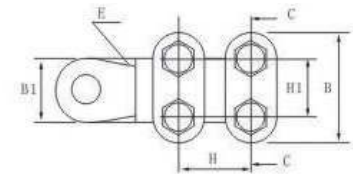


Item No.	Conductor size(mm ²)	Dimension(mm)			
		L	A	B	D
WCJC-1	16	37	10	21	7.5
WCJC-2	25-35	48	13	22	11
WCJC-3	50-70	60	17	31	11
WCJC-4	120-150	70	23	35	15
WCJC-5	210-250	90	30	46	17
WCJC-6	300-500	125	35	62	23



WCJB Copper lugs with Clamps

Item No.	Wire range(mm ²)	Dimension(mm)							
		L	L1	B	B1	H	H1	D	M
WCJB-1	16-25	39.5	15	25	16.5	13	13	8.5	5
WCJB-2	16-25	45	15	22	18	13	13	8.5	5
WCJB-3	25-35	52.5	15	24.5	21.2	13.5	13.5	10.5	5
WCJB-4	50-70	61	21	31	23	18.5	18.5	10.5	6
WCJB-5	70-95	69	24	35	23.5	20	20	10.5	6
WCJB-6	95-120	74	20.5	42	28.5	22.5	22.5	13.5	7
WCJB-7	120-150	73.5	30	41	27	24	24	13.5	8
WCJB-8	150-185	76	30	42	28	24.5	24.5	13.5	8
WCJB-9	185-240	80	32	44	30	25	25	13.5	8

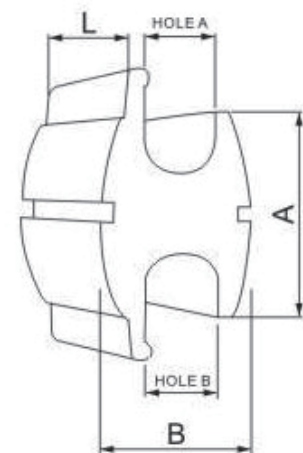


Aluminium Connector Press Type H

Item No.	Hole A mm ²	Hole B mm ²	Dimension(mm)		
			A	B	L
CPH 35-35	16-35	16-35	23.8	17.5	38
CPH 35-70	16-35	16-35	26	17.8	46
CPH 70-70	35-70	35-70	30.5	20.6	47
CPH 120-120	70-120	70-120	16.5	22.7	52
CPH 70-150	35-70	70-150	34.5	23	70
CPH 150-150	70-150	70-150	39.5	28.4	70
CPH 70-240	35-70	120-240	42	28	90
CPH 150-240	70-150	120-240	46	32	90



CPH



Aluminium Connector Press Type S

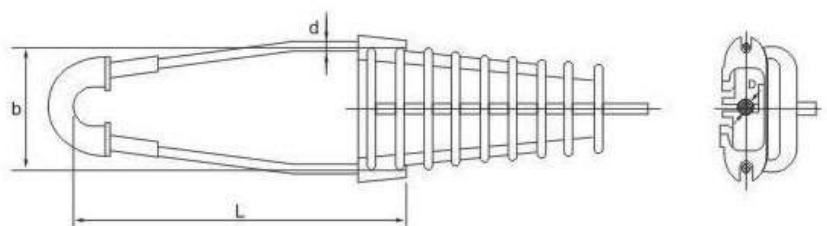


Item No.	Hole A mm ²	Hole B mm ²	Dimension(mm)		
			A	B	L
CPH 35-35	16-35	16-35	23.8	17.5	38
CPH 35-70	16-35	16-35	26	17.8	46
CPH 70-70	35-70	35-70	30.5	20.6	47
CPH 120-120	70-120	70-120	16.5	22.7	52
CPH 70-150	35-70	70-150	34.5	23	70
CPH 150-150	70-150	70-150	39.5	28.4	70
CPH 70-240	35-70	120-240	42	28	90
CPH 150-240	70-150	120-240	46	32	90

Aluminium-Alloy Dead End Clamp

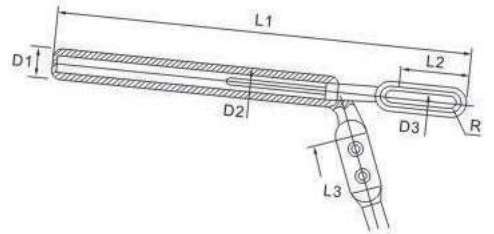


Item No.	Wire Range (mm ²)	Dimension(mm)				Gripping (kN)	Rated failure Load(kN)
		b	d	D	L		
NXJ-1 (ZNXJ-1)	JKLYJ-35 JKLYJ-50	108	10	18	160	5.3	5.8
NXJ-2 (ZNXJ-1)	JKLYJ-70 JKLYJ-95	108	10	20	160	11.0	12.0
NXJ-3 (ZNXJ-1)	JKLYJ-120 JKLYJ-150	128	10	23	170	11.0	12.0
NXJ-4 (ZNXJ-1)	JKLYJ-185 JKLYJ-240	128	10	27	170	11.0	12.0



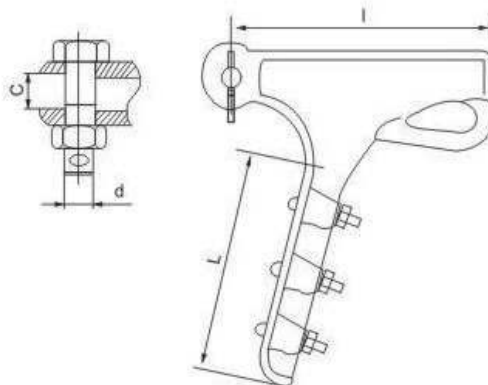
NY Tension Clamp

Item No.	Conductor size(mm ²)	Dimension(mm)							Crippling (kN)	Rated failure Load(kN)
		D1	D2	D3	L1	L2	R	L3		
NY-240/30.1	LGJ-240/30	36	16	18	18	65	10	240	72	2.9
NY-240/40.1	LGJ-240/40	36	16	18	18	65	10	240	79	3.1
NY-240/55.1	LGJ-240/55	36	20	18	18	65	11	250	97	3.2
NY-300/15.1	LGJ-300/15	40	14	16	16	61	11	265	65	3.6
NY-300/20.1	LGJ-300/20	40	14	18	18	67	11	265	72	3.6
NY-300/25.1	LGJ-300/25	40	14	18	18	67	11	265	79	3.5
NY-300/40.1	LGJ-300/40	40	16	18	18	67	11	265	88	3.5
NY-300/50.1	LGJ-300/50	40	18	18	18	77	12	265	98	3.9
NY-300/70.1	LGJ-300/70	42	22	20	20	82	12	265	112	4.5
NY-400/20.1	LGJ-400/20	45	14	18	18	68	13	280	84	4.3
NY-400/25.1	LGJ-400/25	45	14	18	18	68	13	280	91	4.3
NY-400/40.1	LGJ-400/35	45	16	20	20	78	13	280	99	4.6
NY-400/50.1	LGJ-400/50	45	20	20	20	78	13	280	117	4.7
NY-400/65.1	LGJ-400/65	48	22	22	22	83	13	280	123	5.4
NY-400/95.1	LGJ-400/95	48	26	26	26	95	15	280	163	7.1



Tension Clamp (middle and high voltage fitting)

Item No.	Applicable Conductor (mm)	Dimension(mm)				Rated failure Load(kN)	Weight(Kg)
		L	I	C	d		
NLL-1	5.1-11.4	125	110	18	16	40	0.5
NLL-2	11.4-16	175	186	20	16	40	1.8
NLL-3	14.5-17.5	190	205	22	16	70	1.9
NLL-4	18-22.4	300	285	30	18	90	4.1
NLL-5	23-30	445	345	36	24	120	7.0



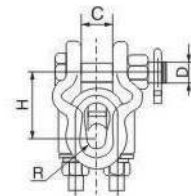
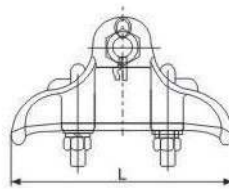
Suspension Clamps (Corona-proof Type)

Item No.	Applicable Conductor (mm)	Dimension(mm)					Rated failure Load(kN)	Weight(Kg)
		H	C	D	R	L		
XGH-2	5.1~12.5	52.5	25	16	18	166	40	1
XGH-3	12.4~17.0	50.5	23	16	11.5	200	40	1.5
XGH-4	19.0~23.5	50.5	27	16	13.5	225	40	2.3
XGH-5	24.2~28.0	70	32	16	16	260	60	4.4

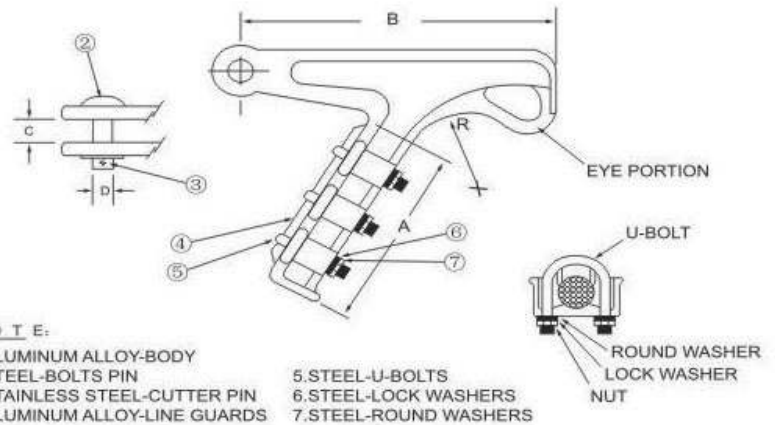
The clamp body and keepers are aluminum alloy, cotter-pin is stainless steel, the other parts are hot-dip galvanized steel.



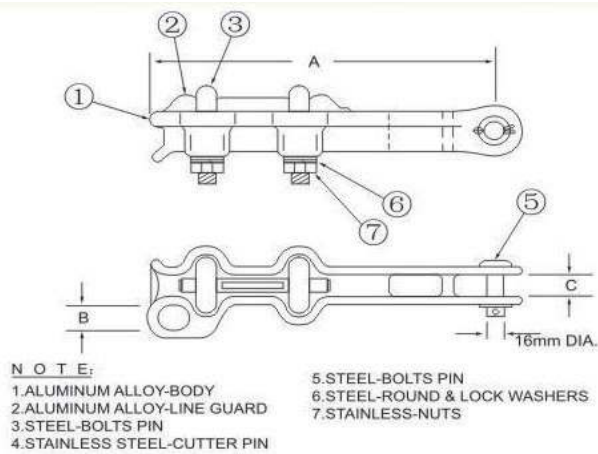
XGH aluminum alloy clamp
(envelop tpe)



Tension Clamp middle and high voltage fitting)



Item No.	Diameter(mm)	Clamp Dimensions					U-Bolts		U.T.S. (kN) Min.
		A	B	C	D	R	No.	Size	
YSSEC-A	11.34	187	203	19	16	95	3	14	36
YSSEC-B	17.35	187	292	25.4	16	137	3	14	45



Item No.	Diameter(mm)	Clamp Dimensions			U-Bolts		U.T.S. (kN) Min.
		A	B	C	No.	Size	
YSDEC-A	11.34	210	25	19	2	12.5	45
YSDEC-B	14.31	210	25	19	2	12.5	45
YSDEC-C	17.35	210	25	19	2	14	45



YJDED-3A



YJDED-3B



YJTED

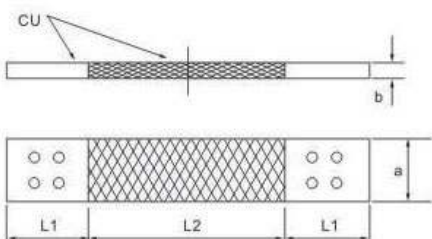
Item No.	Messenger DIA(mm)	Breaking Load(KN)	Bolts
YSDED-3A	14-9	40	3xM12
YSDED-3B	14-9	40	3xM12
YSTED	11-16	40	2xM12

Copper Braid



Nominal Cross section(mm ²)	Construction No. of strands x No. of wire x layers/single wire diameter(mm)	Width ≤(mm)	Thickness ≤(mm)	Calculated weight (kg/km)
16	24x22x1/0.20	16	3.0	166
25	24x33x1/0.20	18	3.5	249
35	24x44x1/0.20	20	4.0	331
50	24x33x2/0.20	22	5.0	498
70	24x44x2/0.20	24	6.5	664
95	24x40x3/0.20	20	--	905
120	24x40x4/0.20	22	--	1207
150	24x40x5/0.20	24	--	1508
185	24x40x6/0.20	26	--	1810
240	24x40x8/0.20	30	--	2413
300	24x40x10/0.20	35	--	3016
400	24x40x10/0.20+	40	--	4004
	36x44x2/0.2			
500	24x40x10/0.20+	45	--	65007
	48x44x3/0.2			
630	24x40x10/0.20+	50	--	66334
	48x44x5/0.2			
800	24x40x10/0.20+	55	--	7661
	48x44x7/0.2			

Copper Braid



Item No.	Dimension(mm)				Note
	a	b	L1	L2	
MST-63x6.3	63	6.3	73	170	Can be produced according to customer's drawing
MST-80x6.3	80	6.3	90	170	
MST-80x8	80	8	90	170	
MST-100x8	100	8	115	170	
MST-100x10	100	10	115	190	
MST-125x8	125	8	140	170	
MST-125x10	125	10	140	190	
MST-125x12.5	125	12.5	140	190	

Copper Bounded Earth Rod



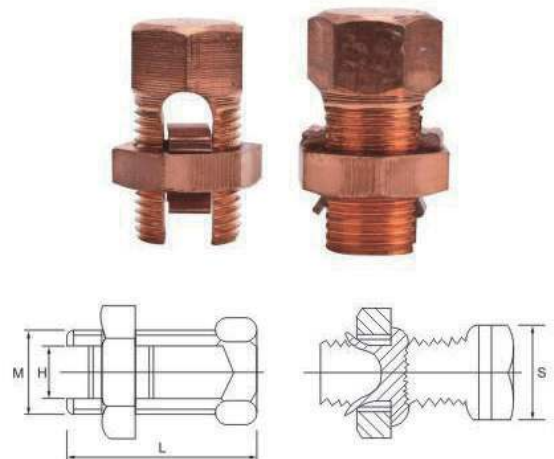
Material: Carbon Steel: C45, Copper Layer: T2(99.9% pure),
Clamp: Brass, Coupler: Brass
Specific

Coating type	Rod Diameter(mm)	Length(mm)
Copper Plated	12,14,15,16,18,19,20	1200,1500,1850,2400,3000
Copper Coated	12,14,15,16,18,19,20	1200,1500,1850,2400,3000

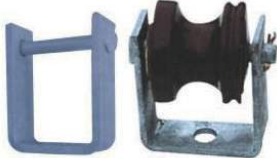
B/C Split Bolted Connector

It is suitable for the sequence and transportation of all kinds of conductor in electric netting.made of copper.

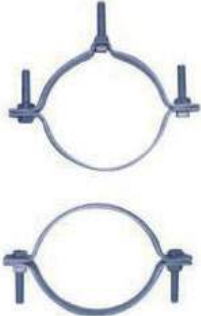
Item No.	L	M	H	S
B/C-16	27	M11	6	12
B/C-25	27	M15	7	16
B/C-35	35	M17	8	18
B/C-50-70	42	M23	12	24
B/C-90-120	46	M25	13	26
B/C-150-185	60	M29	17	30
B/C-200-240	63	M31	20	32



Line Fitting (Iron)

	Socket-eyes		U Bolt
Ball-eyes		U clevis	
	Socket		Hook
70KN stay rod		W7K socket-eyes	
	Socket W-7M		Hook
Ball eyes QL-7		Socket W-7E	
	Clevis, Service Swinging		D Iron
Bracket, Insulated Type		U-Shackle, UO-7	

Line Fitting (Iron)

J Hook		Bolt,Thimble eye	
	Pole Hook without plate		Tie Strap
BOLT, DOUBLE UPSET		BOLT,OVALEYE-H	
	BOLT,OVALEYE-V		BOLT,OVALEYE-O
EYE NUT, ENV		EYE NUT, ENO	
	EYE NUT, ENA		EYE NUT, ENH
BOLT&NUT 16X100-420		WIRE CLAMP	
	U BOLT TIE STRAP 16X140-320		TIE STRAP -5X50X160-300 -6X60X160-320

Line Fitting (Iron)



YOKE PLATE

BOLT, RAIL

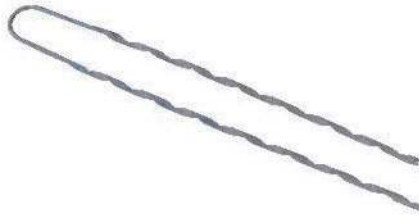


BALLEND HOOK

TKN-12

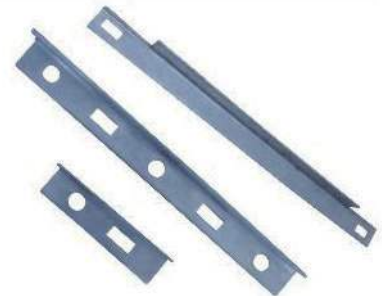


YOKE TWO PLATE



DEAD END GUYS

GALVANIZED CROSS ARM



CLAMP, LOOP

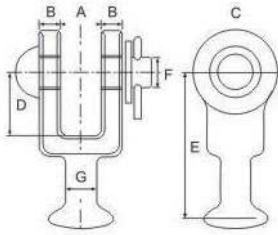
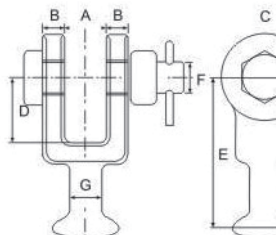


TURNBUCKLE

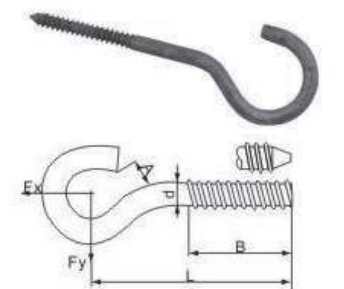
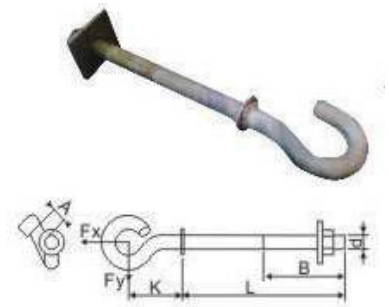
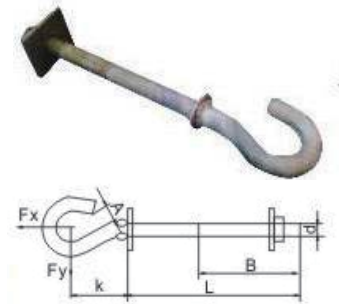
VOLTAGE DIVIDER RINGS



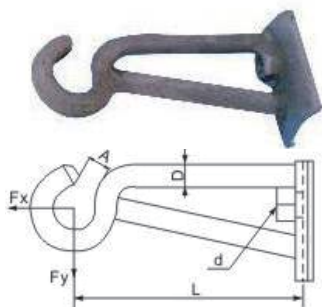
Eye Hook

						PIN TYPE								
						BOLT TYPE								
Item No.	Ultimate Strength kN.	Approx. Weight Kg.	Dimension(mm)											
			A	B	C	D	E	F						
YJ-BC1 120	120	0.6	21	11	44	33	76	16						
YJ-BC1 160	160	1.2	26	13	50	38	89	20						

Item No.	D.MM	L.MM	B.MM	A.MM	K.MM	MPH. Fx,kH	MPH. Fy,kH
YJBH 12/200	M12	200	120	18	60	4.8	1.5
YJBH 12/240	M12	240	120	18	60	4.8	1.5
YJBH 16/200	M16	200	120	18	70	9.6	2.4
YJBH 16/240	M16	240	120	18	70	9.6	2.4
YJBH 16/320	M16	320	120	18	70	9.6	2.4
Item No.	D.MM	L.MM	B.MM	A.MM	K.MM	MPH. Fx,kH	MPH. Fy,kH
YJBH 16/200	M16	200	120	20	80	11.9	2.4
YJBH 16/240	M16	240	120	20	80	11.9	2.4
YJBH 16/320	M16	320	120	20	80	11.9	2.4
YJBH 20/200	M20	200	120	20	80	14.5	4.6
YJBH 20/240	M20	240	120	20	80	14.5	4.6
YJBH 20/320	M20	320	120	20	80	14.5	4.6
YJBH 20/350	M20	350	120	20	80	14.5	4.6
Item No.	D.MM	L.MM	B.MM	A.MM	MPH. Fx,kH	MPH. Fy,kH	Bec,r
YJHS12	M12	165	85	16	5.3	4.1	240
YJHS16	M16	170	90	16	8.8	6.6	440
YJHS20	M20	165	65	18	16.6	12.9	730



Eye Hook



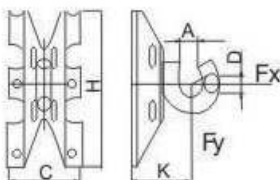
Item No.	D	D.MM	L.MM	A.MM	MPH. Fx,kH	MPH. Fy,kH	Bec,r
YJBJ16	M16	16	206	20	9.7	6.2	1230
YJBJ20	M20	20	208	20	13.3	8.6	1900
YJBJ25	M24	25	290	24	24.6	19.5	3400



A-TYPE



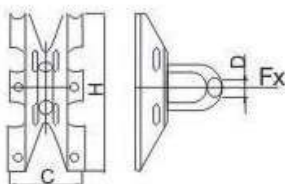
B-TYPE



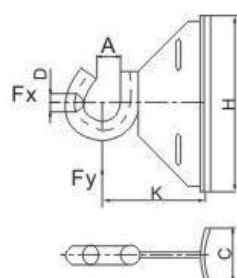
Item No.	D.MM	A.MM	K.MM	H.MM	C.MM	MPH. Fx,kH	MPH. Fy,kH
YJBCS16	16	18	67	200	96	17.4	13.3



Item No.	D.MM	A.MM	H.MM	C.MM	MPH. Fx,kH	MPH. Fy,kH
YJCD16	16	18	200	96	17.4	13.3

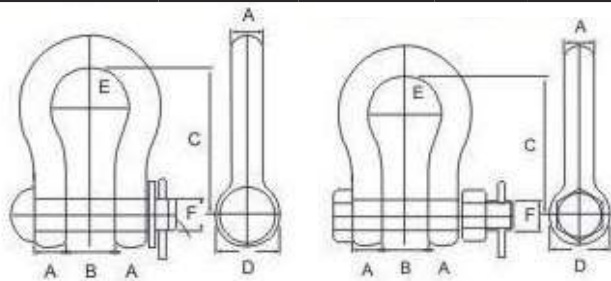


Item No.	D.MM	A.MM	K.MM	H.MM	C.MM	MPH. Fx,kH	MPH. Fy,kH	Bec,r
YJCF16	16	18	85	150	45	17.8	12.5	610
YJCF20	20	18	91	150	45	27.7	17.7	740

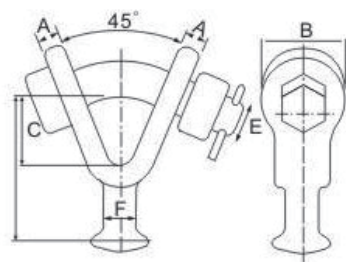


Line Fitting (Iron)

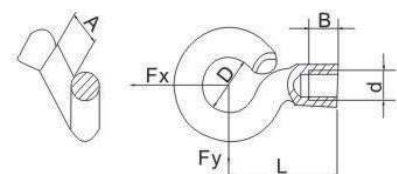
Item No.	Ultimate Strength kN.	Approx. Weight Kg.	Dimension(mm)					
			A	B	C	D	E	F
YJ-BSD-120	120	0.55	16	25	73	32	20	16
YJ-BSD-160	160	1.00	20	27	84	32	23	19
YJ-BSD-260	260	1.50	22	27	92	46	22	22
YJ-BSD-350	350	2.80	25	30	110	60	27	25
YJ-BSD-460	460	3.80	32	38	110	66	25	32



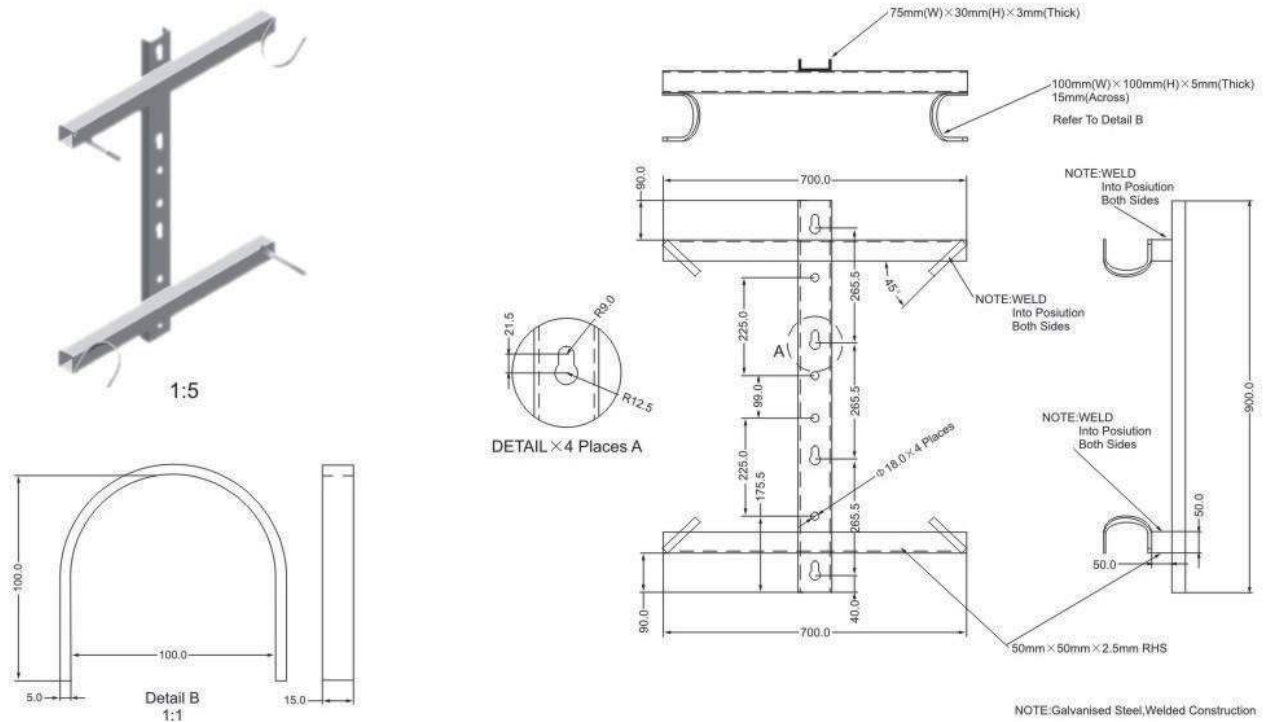
Item No.	Ultimate Strength kN.	Approx. Weight Kg.	Dimension(mm)					
			A	B	C	D	E	F
YJ-BYC80	30	0.8	12	45	38	80	20	16
YJ-BYC136	30	0.8	12	45	38	80	20	16
YJ-BYC22	50	1.2	14	55	60	100	22	22



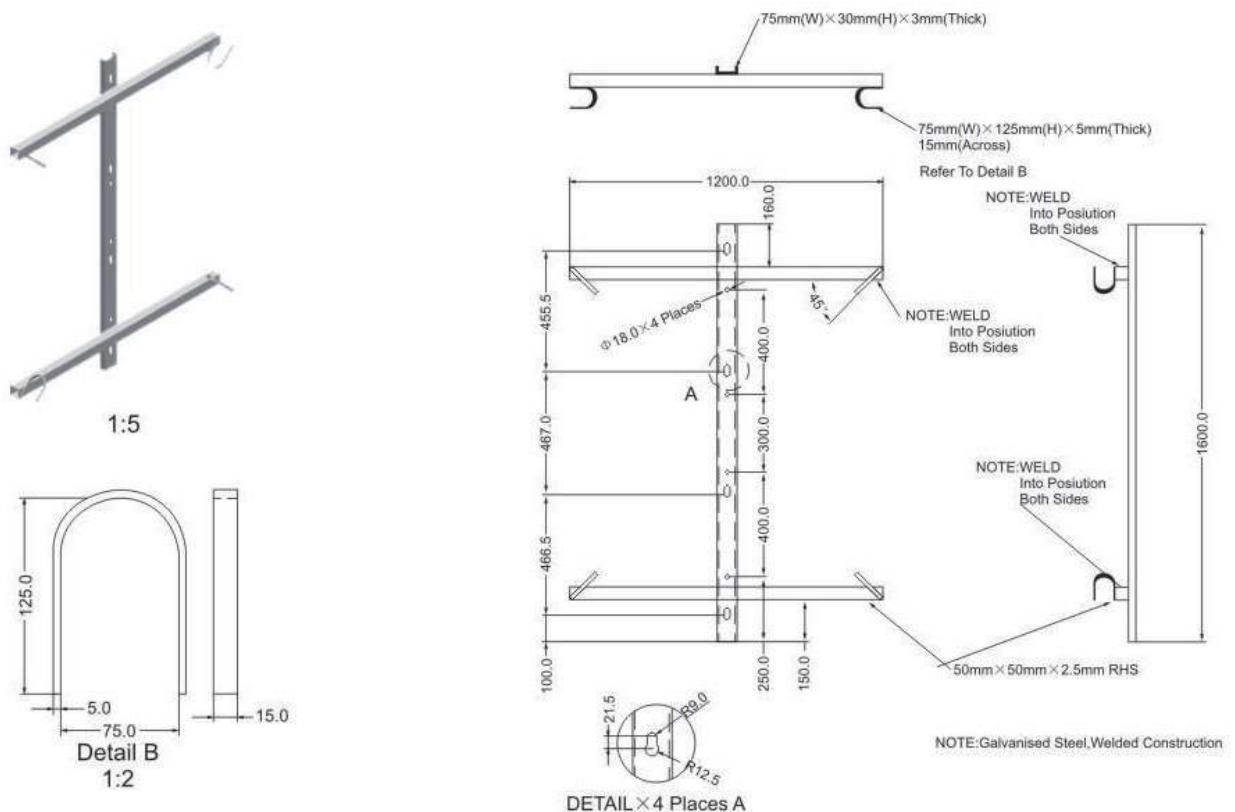
Item No.	D	D.MM	L.MM	V.MM	A.MM	MPH. Fx,kH	MPH. Fy,kH	Bec,r
YJPD16	M16	38	76	18	20	15.4	2.0	440
YJPD20	M20	38	76	18	20	15.4	4.0	550



Medium Bracket

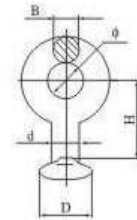


Large Bracket

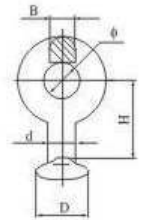


Ball-Eye (Type Q, QP, QH)

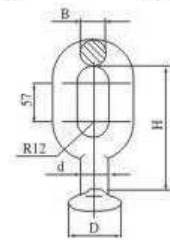
Item No.	Suitable Insulator	Dimension(mm)					Ultimate Strength kN.
		d	Φ	B	D	H	
Q-7	XP-7,X-4.5	17	17	17	33	50	70
QP-7	X-4.5	17	17	17	33	50	70
QP-10	X-10	17	17	17	33	50	100
QP-16	X-16	21	26	21	41	60	160
QP-20	X-20	25	30	25	49	80	200
QP-30	X-30	25	39	28	49	80	300
QH-7	XP-7	17	57	17	33	100	70
QH-10	XP-10	17	60	17	33	110	100
QH-12	XP-12	17	63	17	33	120	120
QH-16	XP-16	21	100	21	41	155	160



Q Type

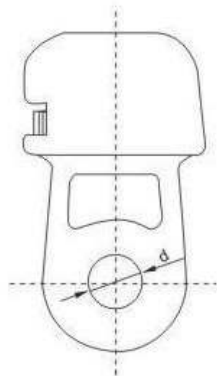
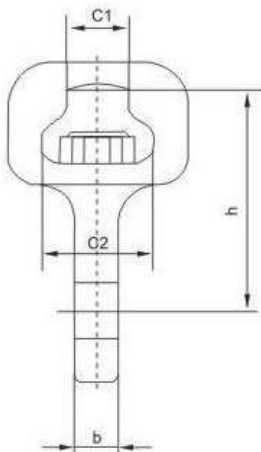


QP Type



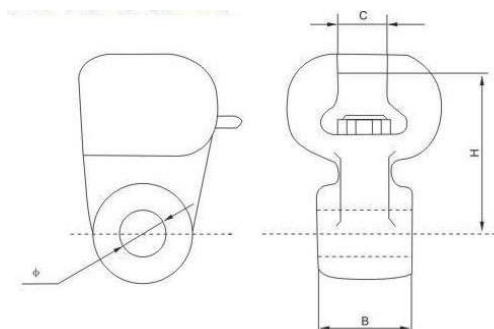
QH Type

Socket-Eye (Type W)



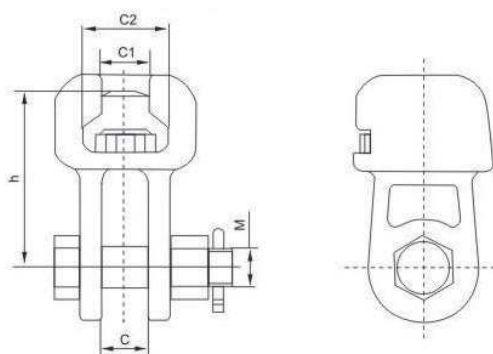
Item No.	Suitable Insulator	Dimension(mm)					Socket IEC Code	Rated Failure Load(kN)	Weight(kg)
		C1	C2	h	d	b			
Q-7	XP-7,XP-4.5	19.2	34.5	70	20	16	16mmA.B	70	0.8
QP-7	XP-7,X-4.5	19.2	34.5	115	20	16	16mmA.B	70	0.9
QP-10	XP-10	19.2	34.5	17	33	50	16mmA.B	100	1.0
QP-16	XP-12	19.2	34.5	21	41	60	16mmA.B	120	1.2

Socket-Eye (Type W)



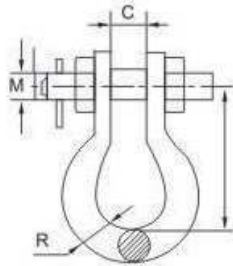
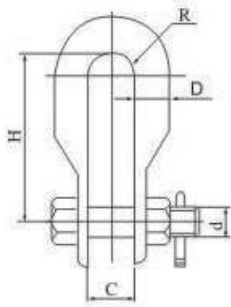
Item No.	Dimension(mm)				Socket IEC Code	Rated Failure Load(kN)	Weight(kg)
	B	C	H	Φ			
W-0720	20	19.2	70	20	16mmB	70	1
W-0724	24	19.2	70	20	16mmB	70	1.1
W-0728	28	19.2	70	20	16mmB	70	1.2
W-0732	32	19.2	70	20	16mmA	70	1.3
W-1032	32	19.2	70	20	16mmA	100	1.5
W-1045	45	19.2	70	20	16mmA	100	1.5
W-12	32	19.2	85	24	16mmA.B	120	1.6

Socket-Clevis (Type WS)



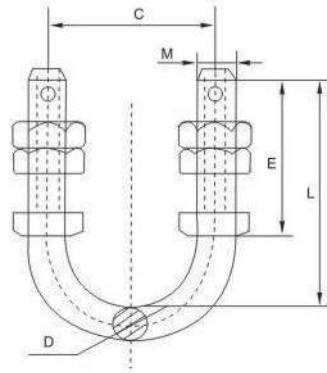
Item No.	Suitable Insulator	Dimension(mm)					Socket IEC Code	Rated Failure Load(kN)	Weight(kg)
		C	C1	C2	M	h			
WS-7	XP-7	18	19.2	34.5	16	70	16mm	70	1.0
WS-10	XP-10	20	19.2	34.5	18	85	16mm	100	1.2
WS-12	XP-12	24	19.2	34.5	22	85	16mm	120	2.1
WS-16	XP-16	26	23.0	42.5	24	95	20mm	160	2.6
WS-20	XP-20	30	27.5	51.0	27	100	24mm	200	4.5
WS-21	XP-21	30	23.0	42.5	27	100	20mm	210	4.3
WS-30	XP-30	36	27.5	51.0	36	110	24mm	300	5.7

U Shackle



Item No.	Dimension(mm)					Ultimate Strength kN.	Weight(kg)
	C	d	D	H	Φ		
U-7	20	16	16	60	10	70	0.5
U-10	22	18	18	70	11	100	0.6
U-12	24	22	20	90	12	120	1.0
U-16	26	24	22	95	13	160	1.5
U-7A	19	16	16	76	11	70	0.65
U-12A	22	18	18	72	18	120	0.72

U Bolt

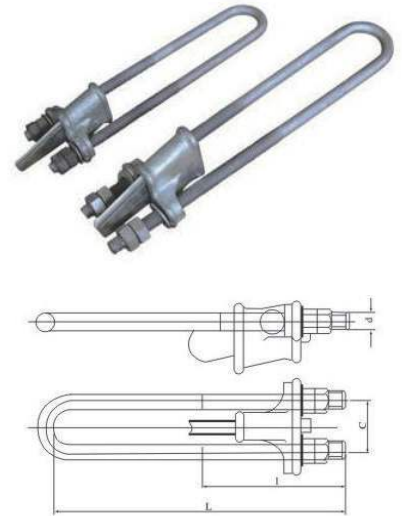


Item No.	Dimension(mm)					Rated Failure Load(kN)	Weight (kg)
	C	D	E	L	M		
U-1240	40	12	45	80	12	35	0.39
U-1440	40	14	60	90	14	35	0.42
U-1470	70	14	70	120	16	40	0.46
U-1670	70	16	70	140	16	50	0.80
U-1870	70	18	80	105	18	60	0.86
U-1880	80	18	60	105	18	60	0.88
U-1890	90	18	60	110	18	60	0.90
U-2070	70	20	90	115	20	70	1.20
U-2080	80	20	70	115	20	70	1.70
U-2090	90	20	90	120	20	70	1.28
U-2280	80	22	90	130	22	100	1.30
U-2290	90	22	100	140	22	100	1.34

The cotter pins is made of stainless steel, other parts are made of hot-dip galvanized steel.

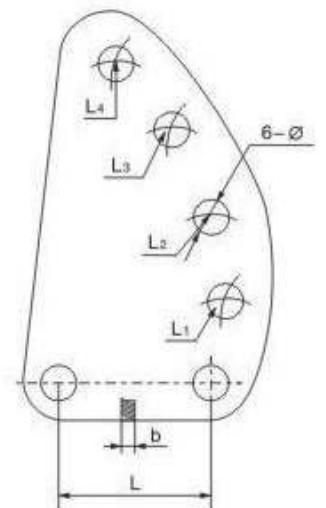
UT clamps

Item No.	Steel wire Conductor (mm)	Dimension(mm)				Ultimate Strength (kN)	Weight (kg)
		d	L	I	C		
NUT-1	6.6~7.8	16	370	200	56	45	2.1
NUT-2	9.0~11.5	18	452	250	62	88	3.2
NUT-3	13.0~14.0	22	500	300	74	143	5.4
NUT-4	15.0~16.0	24	580	350	82	164	7.2

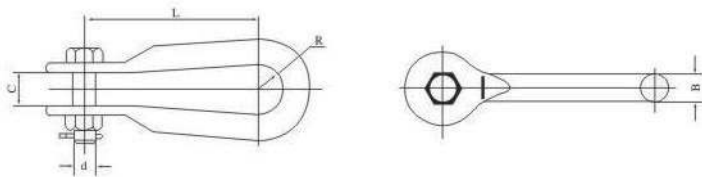


Adjuster Plates

Item No.	Dimension(mm)							Rated Failure Load(kN)	Weight (kg)
	Ø	L	L ₁	L ₂	L ₃	L ₄	b		
DB-7	18	70	95	120	145	170	16	70	1.7
DB-10	20	80	110	140	170	200	16	100	2.7
DB-12	24	100	135	170	205	240	16	120	3.2
DB-16	26	110	125	140	155	170	18	160	4.1
DB-20	30	120	135	150	165	180	26	200	7.4
DB-25	33	135	135	150	165	180	30	250	11.5
DB-30	39	120	140	160	180	200	32	300	12.5
DB-60	51	135	160	185	210	235	42	600	21.6
DB-5024	45	140	165	190	215	240	38	500	18.5
DB-5032	45	140	185	230	275	320	38	500	14.4
DB-21G	26	120	135	150	165	182	20	310	6.2
DB-32G	33	120	140	160	180	200	38	320	9.2

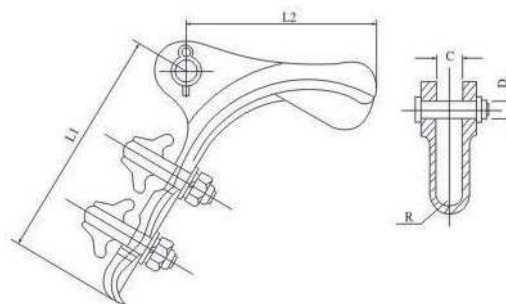


UT Shackle



Item No.	Dimension(mm)					Ultimate Strength (kN)	Weight (kg)
	C	d	B	L	R		
UL-7	20	16	16	120	15	70	0.62
UL-10	22	18	18	140	17	100	0.92
UL-12	24	22	20	140	18	120	1.40
UL-16	26	24	22	140	19	160	1.64
UL-21	30	27	24	160	22	210	2.90

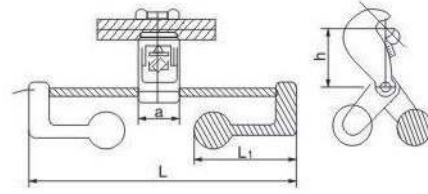
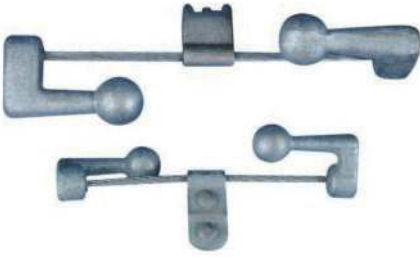
Tension Clamps(Bolt Type)



Item No.	Diameter of Conductor (mm)	Dimension(mm)					Bolt		Ultimate Strength (kN)
		D	C	L1	L2	R	No.	Dia(mm)	
NLD-1	5.0~10.0	16	18	150	120	6.5	2	12	18
NLD-2	10.1~14.0	16	18	205	130	8.0	3	12	41
NLD-3	14.1~18.0	18	22	310	160	11.0	4	16	71
NLD-4	18.1~23.0	18	25	410	220	12.5	5	16	91

The body is made of malleable iron, hot-dip galvanized. Security clip is made of bronze or stainless steel.

Combined Type Spacer-dampers

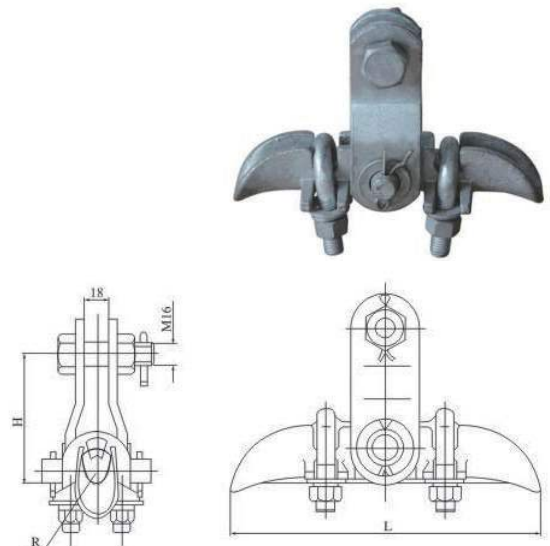


Item No.	Application conductor	Dimension(mm)				Specification	Weight (kg)	Specification
		a	h	L ₁	L			
FDZ-1	7.0~12.0	50	66.0	120	320	19/1.8	0.7	1.80
FDZ-2	11.0~15.0	50	66.0	130	350	19/1.8	0.9	2.30
FDZ-3	14.0~19.0	60	66.0	150	430	19/2.2	1.7	4.40
FDZ-4	18.0~22.5	60	66.0	160	470	19/2.2	2.1	5.50
FDZ-5F	22.0~29.0	60	95.0	180	520	19/2.6	3.0	7.10
FDZ-6F	28.0~35.0	60	95.0	180	520	19/2.6	3.6	8.30
FDZ-1T	7.8	50	30.7	120	320	19/1.8	0.7	1.80
FDZ-2T	9.0~9.6	50	30.7	130	350	19/1.8	0.9	2.30
FDZ-3T	11.0~11.5	60	44.7	150	430	19/2.2	1.7	4.40
FDZ-4T	13.0	60	44.7	160	470	19/2.2	2.1	5.50

Clamp is aluminum alloy and counter weight piece is grey cast iron, painted. If user demands the counter weight piece will be hot-dip galvanized.

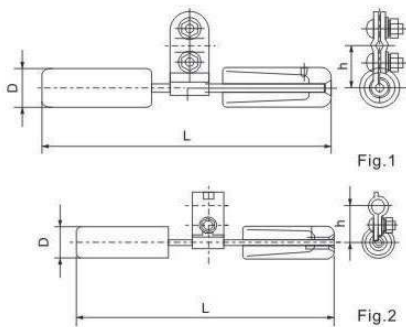
XGU Suspension Clamps

Item No.	Wire Range (mm)	Dimension(mm)			Ultimate Strength (kN)
		H	L	R	
XGU-1	5.0~7.0	82.5	180	4.0	40
XGU-2	7.1~13.0	82	200	7.0	40
XGU-3	13.1~21.0	101	220	11.0	40
XGU-4	21.1~26.0	109	580	13.5	40



The cotter pins are made of stainless steel, other parts are made of hot-dip galvanized steel.

FD Dampers



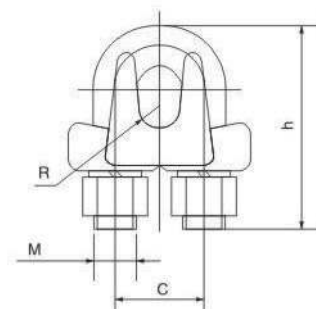
Item No.	Conductor Section Area(mm ²)		Fig No.	Dimension(mm)			Weight (kg)
	Steel Wire	AAC&ACSR		L	D	h	
FD-1		35-50	2	300	40	40	1.5
FD-2		70-95	1	370	46	55	2.4
FD-3		120-150	1	450	56	65	4.5
FD-4		185-240	1	500	62	70	5.6
FD-5		300-400	1	550	67	70	7.2
FD-6		500-630	1	550	70	75	8.6
FG-35	35		2	300	42	50	1.8
FG-50	50		2	350	46	50	2.4
FG-70	70		1	400	56	60	4.2
FG-100	100	25	1	500	62	85	5.9

Counter weights are grey iron, painted the other parts are hot-dip galvanized steel.

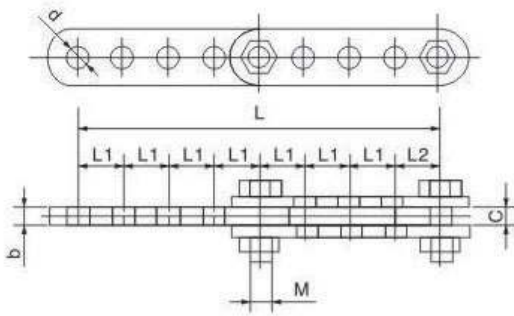
JK Guy Clips

Item No.	Steel Wire Dia (mm)	Dimension(mm)				Weight (kg)
		M	h	R	C	
JK-1	6.6~7.8	10	54	5	22	0.18
JK-2	9.0~11.0	10	72	6	28	0.30
JK-3	12.0~14.0	20	60	7.5	33	0.65

The body is malleable iron. The other parts are steel. All ferrous parts are hot-dip galvanized.



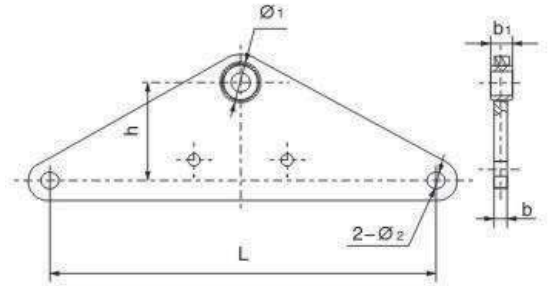
Adjuster Plates



Item No.	Dimension(mm)								Rated Failure Load(kN)	Weight (kg)
	L ₁	L ₂	M	d	b	c	L			
PT-7	45	60	16	18	16	18	225	345	70	2.00
PT-10	50	65	18	20	16	20	225	300	100	2.90
PT-12	60	75	22	24	16	24	300	465	120	5.20
PT-16	65	50	24	26	18	26	325	505	160	7.00
PT-20	70	60	27	29	24	30	350	550	200	10.14
PT-30	80	70	36	39	32	38	400	630	300	14.00
PT-50	160	80	42	45	38	40	740	1280	500	24.60
PT-60	180	90	48	51	42	44	820	1390	600	34.60

The cotter pins is made of stainless steel, other part shot-dip galvanized steel.

Yoke Plates



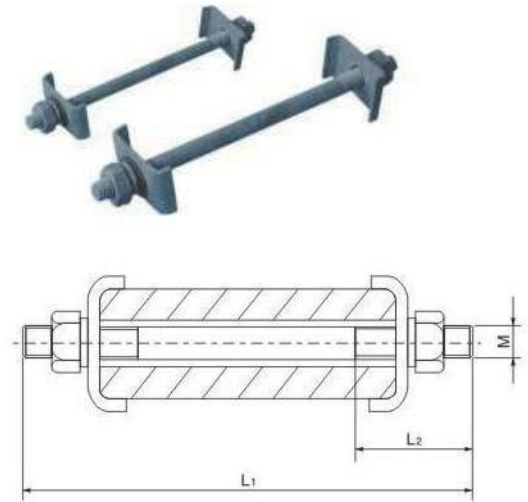
Item No.	Dimension(mm)						Rated Failure Load(kN)	Weight (kg)
	b	b ₁	h	Ø ₁	Ø ₂	L		
L-1040	16	16	70	20	18	400	100	4.43
L-1240	16	16	70	24	18	400	120	4.66
L-1640	18	18	100	26	20	400	160	5.80
L-2140	16	26	100	30	20	400	200	6.90
L-2052	16	26	100	30	26	520	200	8.00
L-2055	16	26	200	30	24	550	200	11.80
L-2540	16	30	110	33	24	400	250	9.00
L-3040	18	32	110	39	26	400	300	10.00
L-4255	24	38	250	45	30	550	420	24.40
L-5040	30	38	110	45	33	400	500	14.80
L-6045	32	42	200	51	39	450	600	25.50
L-6050	32	42	250	51	39	500	600	23.30

Hot-dip galvanized steel.

Spacers For Rectangular Bar

Item No.	Bus width (mm)	Dimension(mm)			Weight (kg)
		M	L ₁	L ₂	
MJG-01	63	10	100	26	0.1
MJG-02	80	10	120	26	0.1
MJG-03	100	10	140	26	0.2
MJG-04	125	10	160	26	0.2

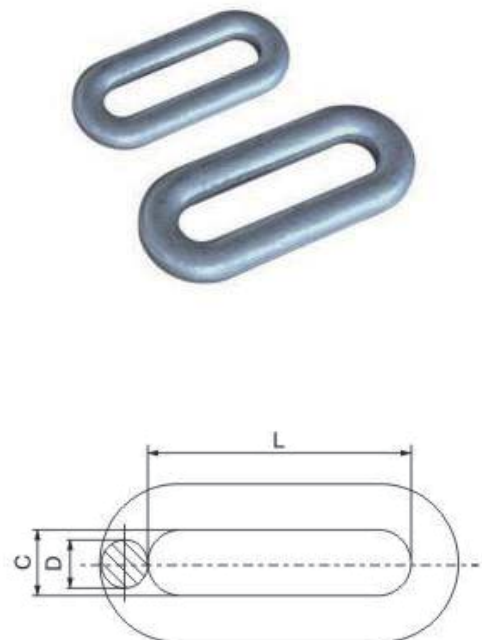
Hot-dip galvanized steel.



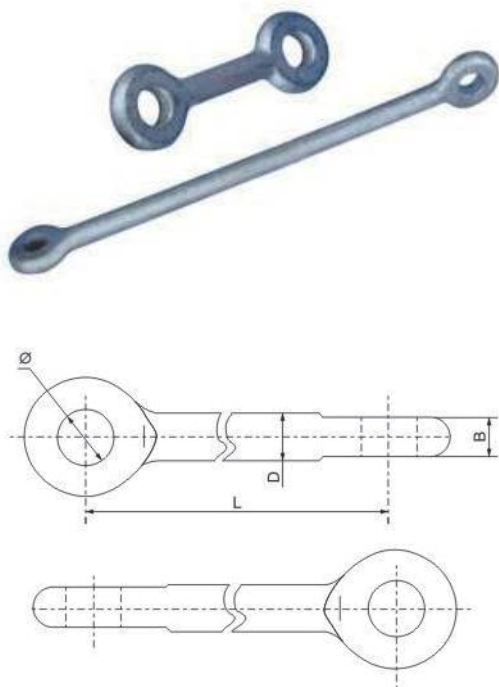
Spacers For Rectangular Bar

Item No.	Dimension(mm)			Rated Failure Load(kN)	Weight (kg)
	C	D	L		
PH-7	20	16	80	70	0.4
PH-10	22	18	100	100	0.6
PH-12	24	20	120	120	0.9
PH-16	26	22	140	160	1.5
PH-20	30	24	160	200	1.6
PH-25	34	26	160	250	2.0
PH-30	38	30	180	300	3.0

Hot-dip galvanized steel.



Extension rods

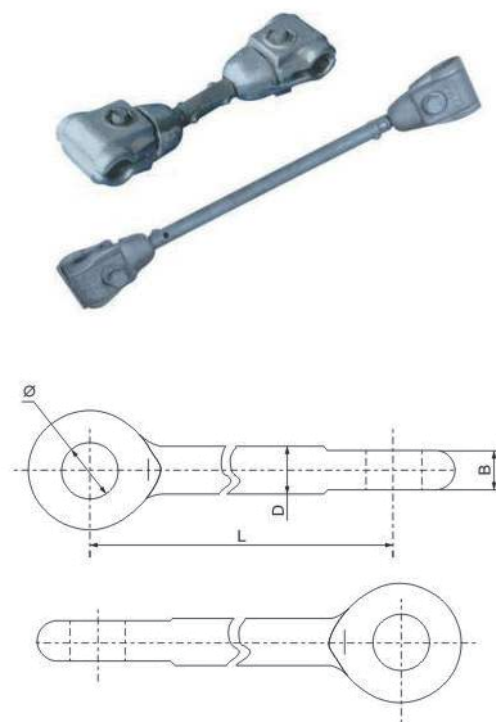


Item No.	Dimension(mm)				Rated Failure Load(kN)	Weight (kg)
	D	Ø	B	L		
YL-1020	20	20	16	120	100	0.8
YL-1040	20	20	16	400	100	1.1
YL-1050	20	20	16	500	100	1.4
YL-1069	20	20	16	690	100	1.9
YL-10100	20	20	16	1000	100	2.2
YL-1243	22	24	18	430	120	1.6
YL-1643	22	26	18	430	160	1.6
YL-2043	24	29	21	430	200	3.0
YL-2543	33	33	22	430	250	3.5

Hot-dip galvanized steel.

Spacers for Double Conductor

Item No.	Applicable Conductor (mm)	Dimension(mm)		Rated Failure Load(kN)	Weight (kg)
		B	L		
FJQ-403	120-150	9.5	400	7	1.0
FJQ-404	185-240	11.0	400	7	1.0
FJQ-405	300-400	14.5	400	10	1.2
FJQ-204	185-240	11.0	200	7	0.85
FJQ-205	300-400	14.5	200	10	1.05
FJQ-455	300-400	15.4	400	10	2.43

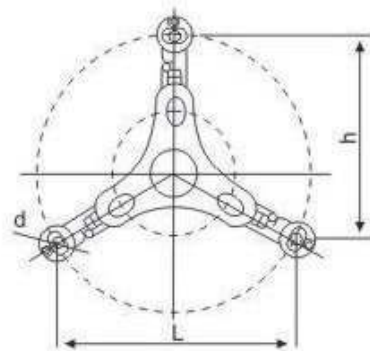


The body is aluminum, the other parts are hot-dip galvanized steel.

S-Spacer damper of 500kv wire

Item No.	Wire range (mm)	Dimension(mm)		Weight (kg)
		B	L	
FJZ-380/440	HL4GJT-440	640	800	13.2

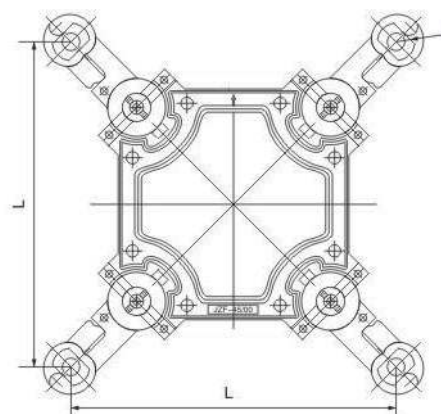
The clamp body is aluminum alloy, Damper are elastomer, the other parts are hot-dip galvanized steel.



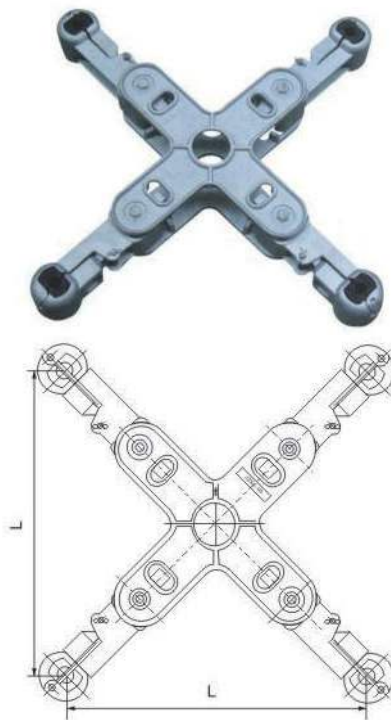
Square Frame Type Spacer Damper

Item No.	Applicable Conductor (mm)	Dimension(mm)		Weight (kg)
		L	R	
FJZ-445F/300	LGJ-300/20,25,40,45	450	9.7	7.8
FJZ-445F/300A	LGJ-300/70	450	10.6	7.8
FJZ-445F/400	LGJ-400/50,65	450	12.0	7.8
FJZ-445F/400A	LGJ-400/20,25,35	450	11.4	7.8
FJZ-445F/400B	LGJ-400/95	450	12.6	7.8

The clamp and bracket are made of aluminum alloy, Damper are elastomer(DEMP)



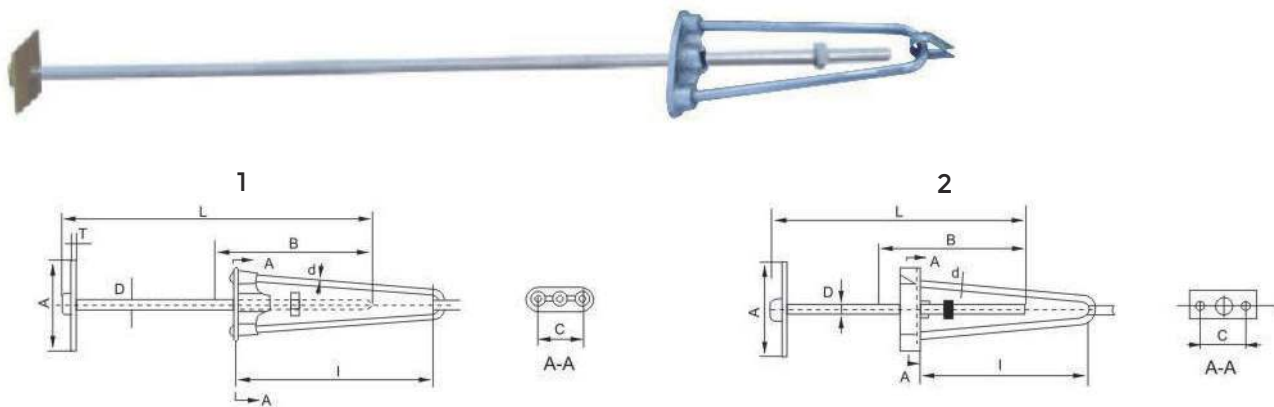
Cross mype Spacer Dampers



Item No.	Applicable Conductor (mm)	Dimension(mm)	Weight (kg)
		L	
JZX4-45300	23.0-24.5	450	7.5
JZX4-45300J	24.5-26.0	450	7.5
JZX4-45400	26.0-28.0	450	7.5
JZX4-45400J	28.1-29.5	450	7.5
JZX4-45500C	30.0	450	8.2

The clamp and bracket are made of aluminum alloy, Damper are elastomer(DEMP)

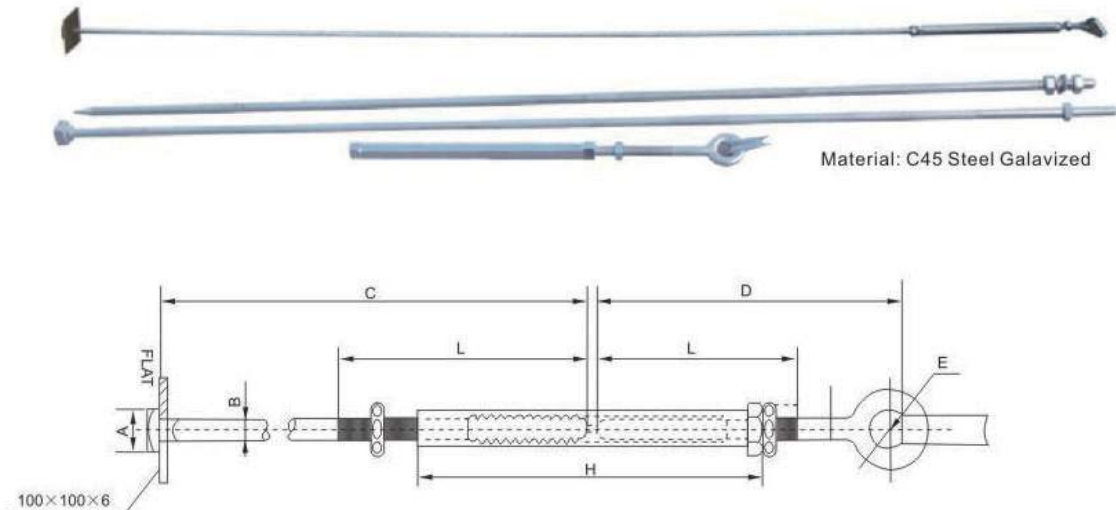
Bow Stay Rod



Item No.	Fig No.	Dimension(mm)								Rated Failure Load(kN)	Weight (kg)
		L	I	D	d	A	B	C	T		
LZ-18/180	1	30	16	2000	314	22	350	98	6	65	1.4
LZ-22/240	1	35	18	2440	321	25	405	110	6	96	17.9
LC-18/180	2	35	20	2440	325	25	400	98	6	65	13.8
LC-22/240	2	40	22	2500	334	30	400	110	6	96	17.0

Hot-dip galvanized steel.

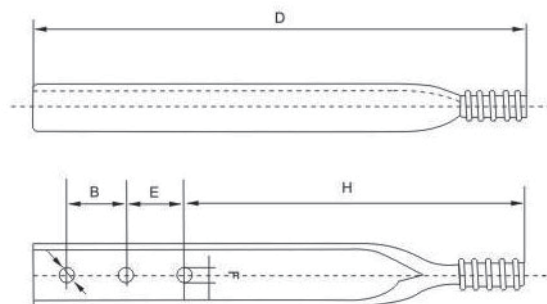
Turnbuckle Stay Rod



Item No.	Dimension(mm)							U.T.S(kN)	Weight (kg)
	A	B	C	D	E	H	L		
CH-16	30	16	2000	314	22	350	230	54	5.2
CH-18	35	18	2440	321	25	405	230	65	7.9
CH-22	35	20	2440	325	25	400	230	85	8.8
CH-24	40	22	2500	334	30	400	230	110	10.5

Hot-dip galvanized steel.

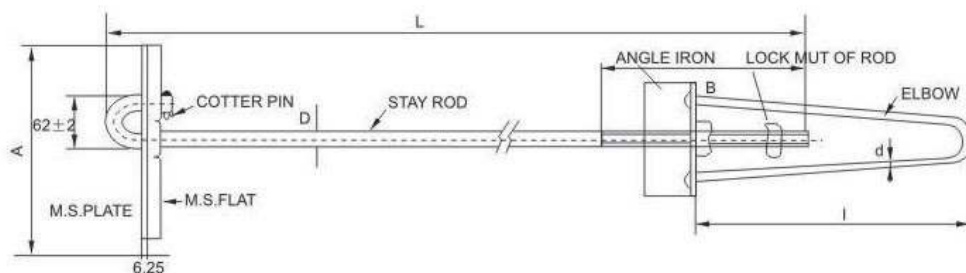
Pole Top Pin



Item No.	Steel Head A(inch)	Dimension(mm)					Weight (kg)
		B	F	H	D	E	
GJQ-1266	1	127	17.5	254	406	-	1.52
GJQ-1368	1	76	17.5	229	456	76	1.85
GJQ-740	1	127	21	279	508	76	2.70
GJQ-720	1-3/8	127	21	279	508	-	2.90

Made of hot-dip galvanized steel. Lead Thread Pin meets ANSI standard.

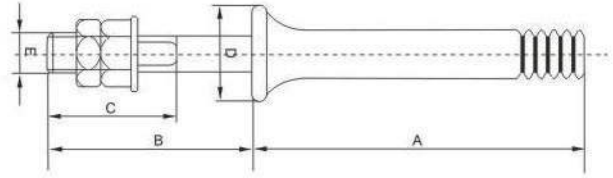
Bow Stay Rod



Item No.	Dimension(mm)						Rated Failure Load(kN)	Weight (kg)
	L	I	D	d	A	B		
LJ-18/200	2000	300	18	14	300	100	65	9.9
LJ22/250	2500	350	22	16	300	120	95	12

Hot-dip galvanized steel.

Insulator Pin



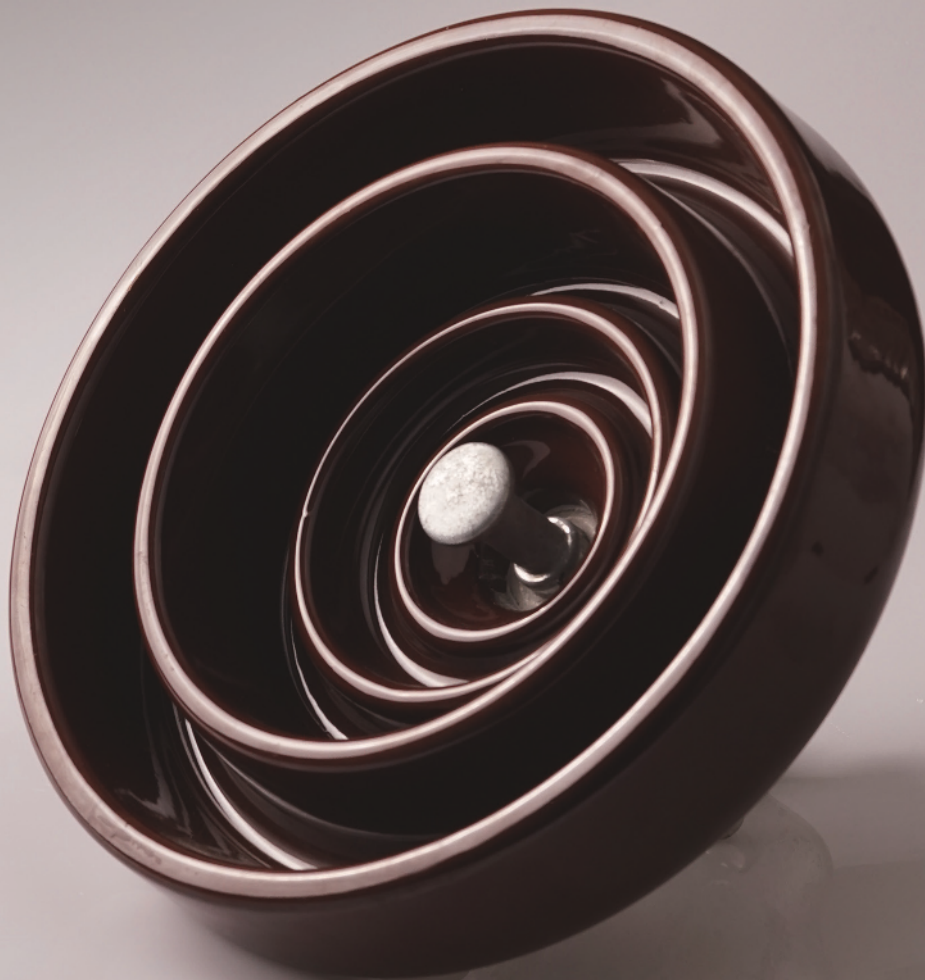
Item No.	Steel Head A(inch)	Dimension(mm)					Weight (kg)	Remarks
		A	B	C	D	E		
GJB-20	Re15	115	140	75	32	18	0.8	For wood crossarms
GJB-22	Re15	165	140	75	38	18	0.99	
GJB-24	Re15	230	140	75	40	22	1.59	
GJB-26	Re16	165	140	75	44	18	1.28	
GJB-28	Re16	230	140	75	50	22	2.09	
GJB-30	Re16	305	140	75	63	22	2.84	
GJB-21	Re15	115	50	45	32	18	0.65	For steel crossarms
GJB-23	Re15	165	50	45	38	18	0.89	
GJB-25	Re15	230	50	45	40	22	1.37	
GJB-27	Re16	165	50	45	44	18	1.10	
GJB-29	Re16	230	50	45	50	22	1.87	
GJB-31	Re16	305	50	45	63	22	2.62	

The body is made of hot-dip galvanized drop forged steel. Lead Pin-head meets BS standard.



AISLADOR DE PORCELANA

Porcelain insulators



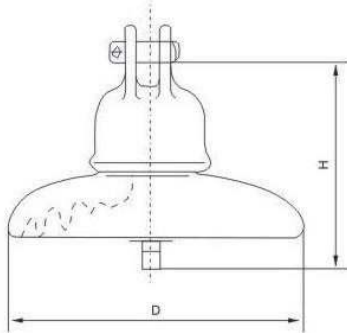


Fig1

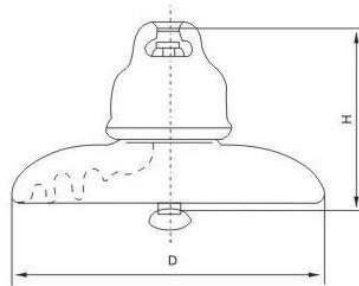


Fig2

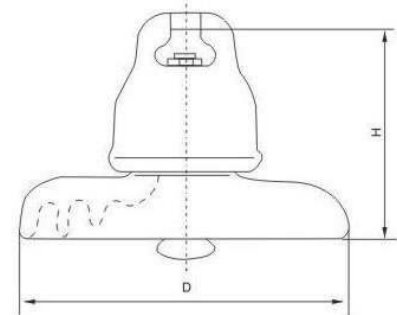
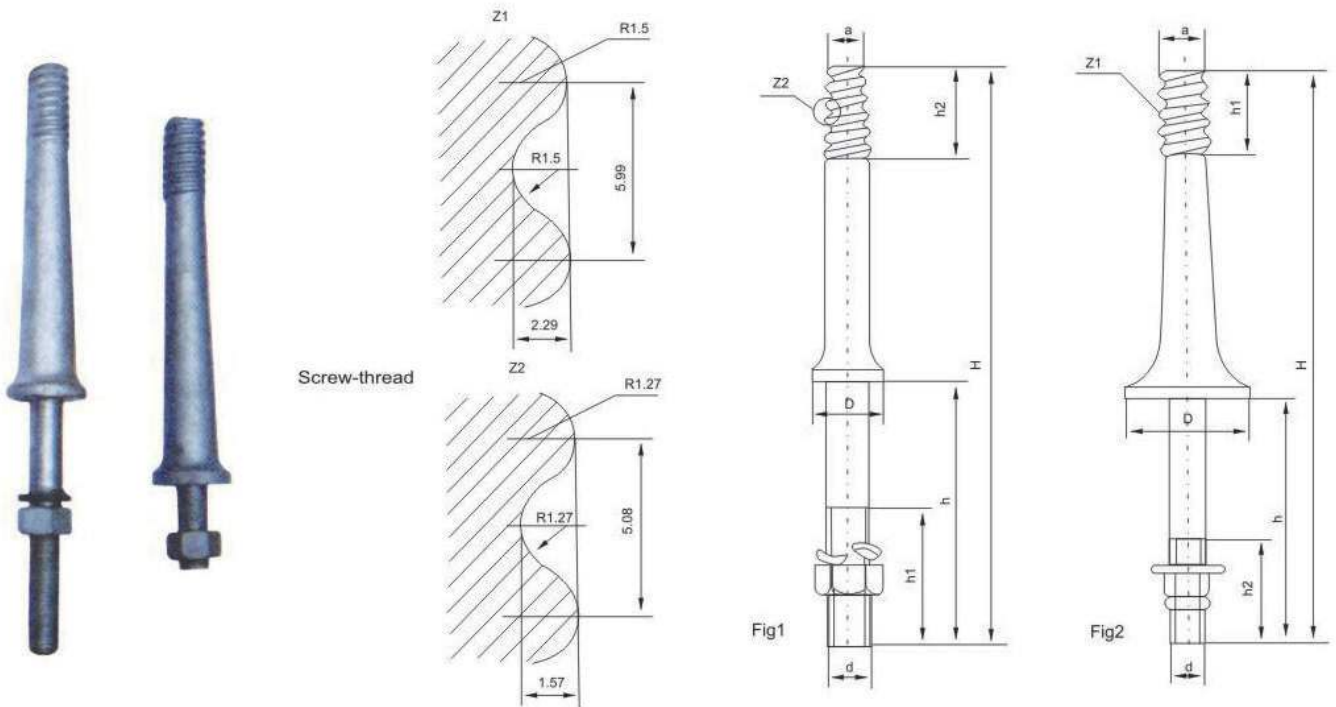


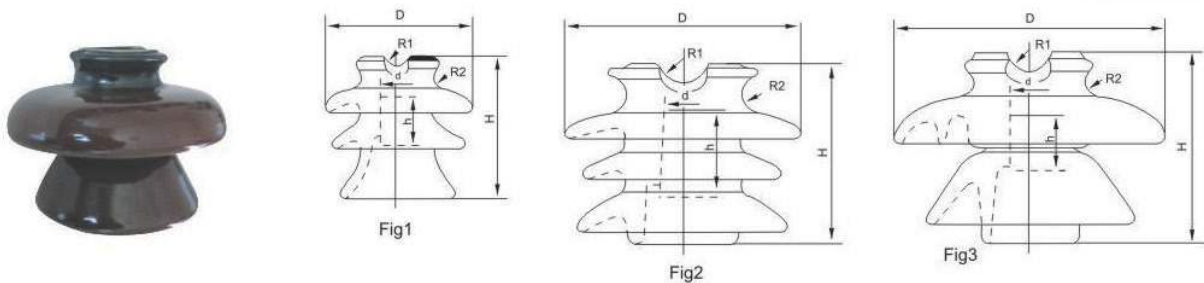
Fig3

Cat No.			A1008	A1009	A1010	A1011	A1012	A1013	A1014	A1015
Fig			2	1	2	2	2	2	2	3
Class standard			XP-	XP-	XP-	XP-	XP-	XP-	XP-	XP-
			70-A	70C-A	125-A	160-A	70-Y	110-Y	160-Y	190-Y
Main Dimen- sions (mm)	D		254	254	254	254	254	254	254	279.4
	H		146	146	146	146	146	146	146	171
Creepage Distance/mm			292	292	292	317.2	292	292	317.5	368.3
Flash- over Volt- age	Power fre- quen- cy	Dry/kV	75	75	75	78	75	78	78	80
		Wet/kV	45	45	45	45	45	45	45	47
Electromechanical fail- ing load/kV			70	70	125	160	70	110	160	190
Power-frequency-punc- ture Voltage/kV			120	120	120	160	120	110	110	125
Lighting Full-wave Impulse with standard voltage(Peak)Mini- mum/kV			100	100	100	110	100	100	100	110
Weight			4.5	4.5	-	6.5	4.5	-	6.5	-
Applied standard			AS	AS	AS	AS	BS	BS	BS	BS

Spidles (For Use With Pin Type Insulators)



Pin Type Insulators For High Voltage



Cat No.	A1022	A1023	A1024	A1025	A1026
Old Cat No.	B2201	B2041	B2202	BS.16	BS.291
Fig	1	1	1	2	2
Class GB	BS Small steel			BS Large steel	
Main Dimensions (mm)	H	305	352	215	261
	D	38	41	38	60
	h	140	127	50	46
	h ₁	74	80	44	41
	h ₂	44.45	44.45	44.45	47
	a	18.29	18.29	18.29	27.78
	d	20	22	20	22
Mechanical strength(kN)	5	5	5	10	10
Weight(kg)	1	1.2	0.75	1.5	2

Pin Type Insulators For High Voltage

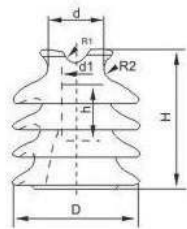


Fig4

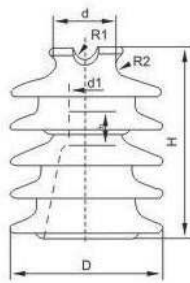


Fig5

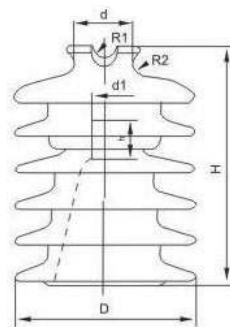


Fig6

MAIN DIMENSIONS AND STANDARD PARTICULARS

Cat No.			A1001	A1002	A1003	A1004	A1005	A1006	A1007
Fig			1	1	2	3	4	5	6
Class Bs			P-11-Y	P-15-Y	P-20-Y	P-33-Y	Pw-11-Y	Pw-22-Y	Pw-33-Y
Main Dimensions (mm)		H	133	137	195	244	185	255	320
		h	48	48	52.63	52.63	52.63	52.63	52.63
		D	140	152	230	279	170	205	240
		d	18.29	18.29	27.78	27.78	76	76	76
		d ₁	-	-	-	-	27.78	27.78	27.78
		R ₁	13	13	19	19	16	16	16
		R ₂	9.5	12.7	14.3	13	16	16	16
Nominal Voltage/kV			11	15	22	33	15	22	33
Creepage Distance/mm			240	298	432	630	432	673	851
Minimum Flash-over Voltage	Power frequency	Dry/kV	75	80	100	135	100	125	140
		Wet/kV	45	55	60	85	65	95	110
	50% Impulse	Positive	100	130	160	185	150	190	210
		Negative	110	175	205	-	-	-	-
With-stand Voltage	One minute power-frequency	Dry/kV	65	70	90	110	90	110	125
		Wet/kV	40	50	55	75	60	90	100
	Impulse/kV		-	110	150	-	140	180	200
Radio influence Voltage Data	Test Voltage to ground/kV		15	15	22	30	22	30	44
	Miximum RIV at 1000kHz/uV			8000			12000	16000	25000
Power-frequency-puncture Voltage/kV			135	135	145	185	150	200	210
Cantilever failing load/kV			11	11	11	13	11	11	11
Weight/kg			1.8	-	-	11.5	5	10	13

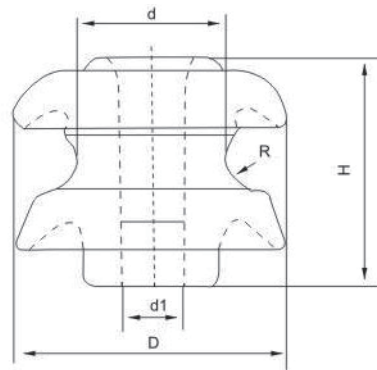
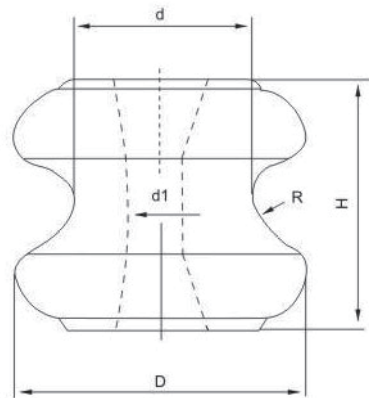
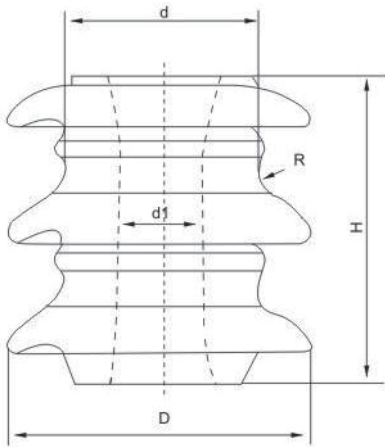


Fig1



Cat No.			A1016	A1017	A1018	A1019	A1020	A1021
Fig			2	1	1	3	3	3
Class Bs			ED-2(C)	ED-2(B)	ED-2(B)1	1617	1618-1	1618-2
Main Dimensions (mm)		H	80	76	76	65	75	75
		D	80	89	89	76	89	89
		d	50	48	48	46	55	55
		d ₁	22	21	17.5	17.6	17	17
		R	6	10	10	9	12.5	12.5
Mechanical failing load(kN)			13	12	12	9	10	13
Minimun Flash- over Voltage	Power frequen- cy	Dry/kV	25	25	25	20	20	25
		Wet/kV	15	12	12	9	9	12
Weight/kg			0.5	0.5	0.5	0.4	-	-



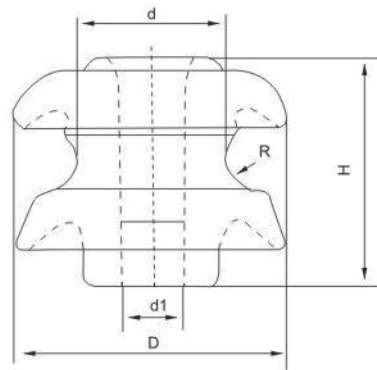
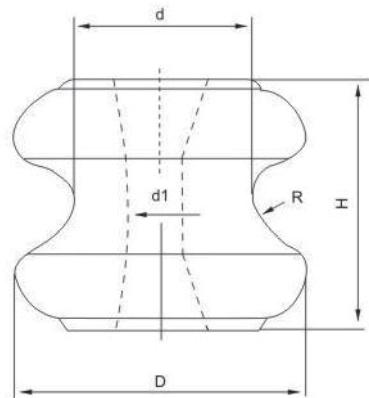
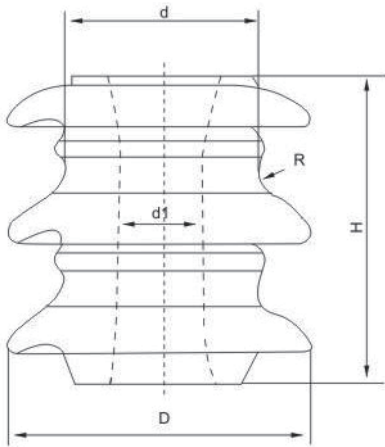


Fig1



Cat No.			A1016	A1017	A1018	A1019	A1020	A1021
Fig			2	1	1	3	3	3
Class Bs			ED-2(C)	ED-2(B)	ED-2(B)1	1617	1618-1	1618-2
Main Dimensions (mm)		H	80	76	76	65	75	75
		D	80	89	89	76	89	89
		d	50	48	48	46	55	55
		d ₁	22	21	17.5	17.6	17	17
		R	6	10	10	9	12.5	12.5
Mechanical failing load(kN)			13	12	12	9	10	13
Minimun Flash- over Voltage	Power frequen- cy	Dry/kV	25	25	25	20	20	25
		Wet/kV	15	12	12	9	9	12
Weight/kg			0.5	0.5	0.5	0.4	-	-

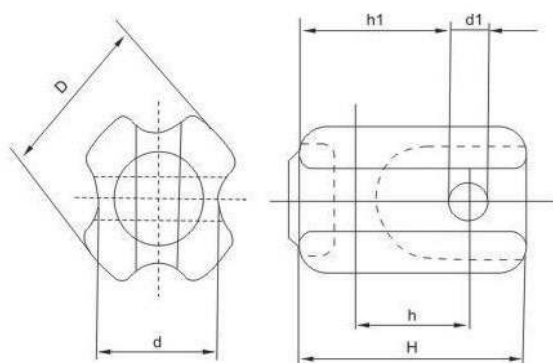


Fig1

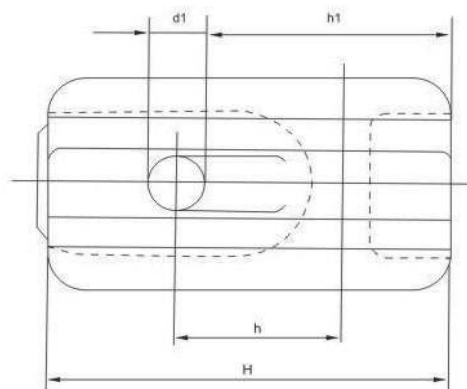


Fig2

Cat No.			A1049	A1050	A1051	A1052
Fig			1	1	1	2
Class Bs			54-1	54-12	54-3	54-4
Main Dimensions (mm)		H	88	108	140	171
		h	44	57	79	69
		h ₁	64	76	103	114
		D	64	73	86	89
		d	44	54	60	60
		d ₁	16	22	25	25
Mechanical failing load(kN)			44	53	89	89
Creepage Distance(mm)			41	47	57	76
Flashover Voltage	Power frequency	Dry/kV	25	30	35	40
		Wet/kV	12	15	18	23
Weight/kg			0.43	0.63	1.2	2



PANEL SOLAR

Solar panel





Solar Controller

PWM

High Efficient series
PWM charging

MOSFET

Use MOSFET as electronic
switch

Automatic

Widely used, automatically
recognize day and nightDigital
LED
menuDigital LED menu with simple
setting and easy usingIntelligent
TimerIntelligent timer function
with 1~15hours option

Temp.

Temperature compensation

Solar & Grid
Hybrid Controller

PWM

High Efficient series
PWM charging

SOC

Intelligentized SOC control
more reliableCharged
ModuleCan provide the grid charged
moduleSolar &
GridSpecial design for the solar
and grid hybrid systemContinuous
PowerIt's energy saving and
can provide continuous
powerBattery
Grid

Temperature compensation

Monocrystalline
Solar Panel

16.0%

High module conversion
efficiency up to 16%

Self-clean

Self-cleaning & anti-reflective

Weak light

Excellent weak light
performance

0/+5%

Positive tolerance
up to 5%

3800Pa

Extended wind and snow
load tests: Wind (3800Pa)
Snow Loads (5400Pa)

2%

Current sorting process
reducing mismatch losses
up to 2%

Battery

RoHS

Environmental protection
with special alloy patteHigh
PerformanceHigh performance with high
receptivity of electricity
high energy conversion rate

-30°C ~ 60°C

Environmental adaptability
-30°C~60°CDeep
DischargeExcellent deep discharge
cycle performance

Aseismic

Aseismic performance
can be used safely even
in the large current

Long

Long Lifetime



Solar Controller

PWM

High Efficient series
PWM charging

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load tests: Wind (3800Pa)
Snow Loads (5400Pa)

2%

Curent sorting process
reducing mismatch losses
up to 2%

Battery

RoHS

Environmental protection
with special alloy patleHigh
PerformanceHigh performance with high
receptivity of electricity
high energy conversion rate

30°C ~ 55°C

Environmental adapability
-30°C~60°CDeep
DischargeExcellent deep discharge
cycle performance

Aseismic

Aseismic performance
can be used safely even
in the large current

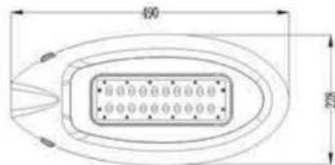
Long

Long Lifetime



LUCES DEL LED

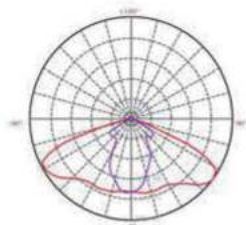
LED LAMP

Dimension
Parameter

HB-180-20w/30w/40w/50w
N.W.: 2.2~3.5 kg
Packing Size: 528*270*135 mm

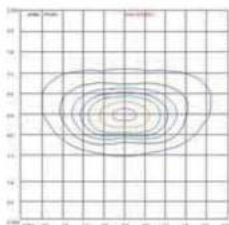
Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-180	20W	Normal: 100~240V AC	Cool White: 5000K	Normal Bright: 115 lm/w (chips)	Normal Color: Blue + White	Horizontal mounting	Photocell
	30W	North American: 277V AC	Day White: 4000K	Super Bright: 135 lm/w (chips)	Normal Color: Whole Grey	Adjustable angle plus or minus 8 degree	Smart Control System
	40W	Solar System: 12V DC 24VDC	Warm White: 3000K	@CRI>70	Customized Color @MOQ>50pcs		Dimming function driver
	50W		Other customer order specially				20kA surge protection device At customer's demand

Photometric
Parameter

40W

Light Distribution



Illumination Curve

	Center Beam LUX		Beam Width	
	V	H	V	H
2m	370.23 LUX		3.2m	10.7m
4m	92.56 LUX		6.5m	21.3m
6m	41.14 LUX		9.7m	32m
8m	23.14 LUX		12.9m	42.6m
10m	14.81 LUX		16.2m	53.3m
12m	10.28 LUX		19.4m	63.9m

Vert. Spread 87.6°

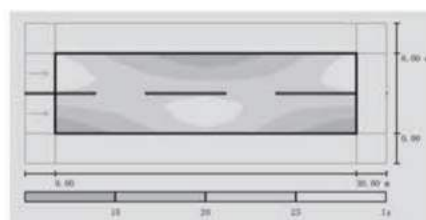
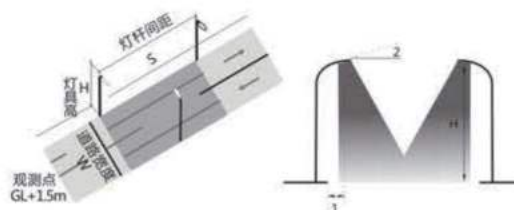
Hori. Spread 738.0°

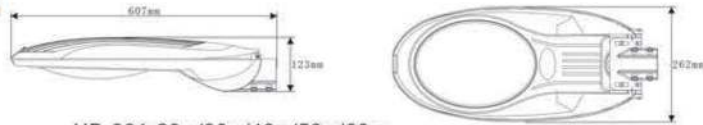
40W

Intensity of Illumination

Simulation
Report

Power	40W
Width of road (W)	8m
Pole Distance (S)	30m
Mounting Height (H)	7m
Arrangement	Double row/opposing
Overhand Angle	10°
Light loss factor	0.88
Average Illumination	21lx
E _{max}	29lx
E _{min}	12lx
E _{min} /E _{av}	0.578

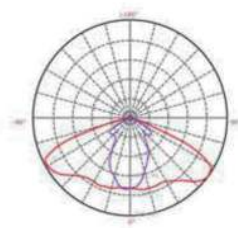


Dimension
Parameter

HB-081-20w/30w/40w/50w/60w
N.W.: 4.5~5.5 kg
Packing Size: 600*300*170 mm

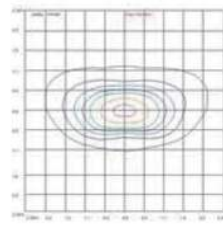
Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-081	20W 30W 40W 50W 60W	Normal: 100~240V AC North American: 277V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Blue + White Normal Color: Whole Grey Customized Color @MOQ>50pcs	Horizontal mounting Vertical mounting with 10 degree adjustable angle	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand

Photometric
Parameter

40W

Light Distribution



Illumination Curve

	Center Beam LUX	Beam Width	
		V	H
2m	370.23 LUX	5.2m	10.7m
4m	92.56 LUX	6.5m	21.3m
6m	41.14 LUX	9.7m	32m
8m	23.14 LUX	12.9m	42.6m
10m	14.81 LUX	16.2m	53.3m
12m	10.28 LUX	19.4m	63.9m

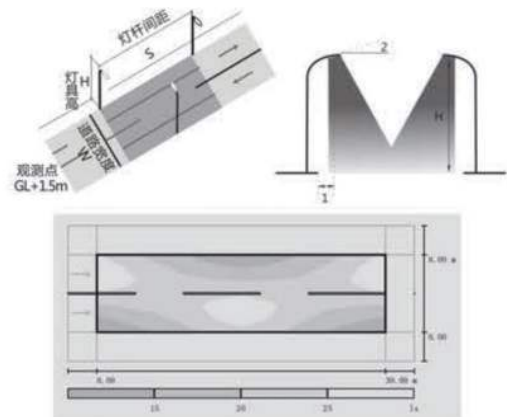
Vert Spread: 87.8° Horiz Spread: 138.0°

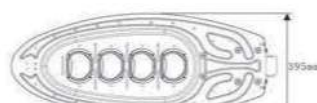
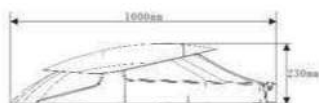
40W

Intensity of Illumination

Simulation
Report

Power	40W
Width of road (W)	8m
Pole Distance (S)	30m
Mounting Height (H)	7m
Arrangement	Double row/opposing
Overhand Angle	10°
Light loss factor	0.88
Average Illumination	21lx
E _{max}	29lx
E _{min}	12lx
E _{min} /E _{av}	0.578



Dimension
Parameter

HB-072-60w/90w/120w

HB-072-60w/90w/120w

N.W.: 12.6~15 kg

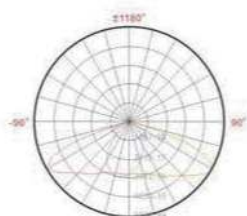
N.W.: 12.6~15 kg

Packing Size: 1080*450*300 mm

Packing Size: 1080*450*300 mm

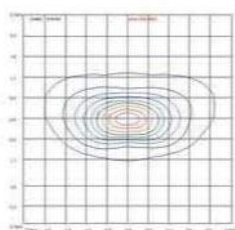
Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-072	60W 90W 120W 150W 180W	Normal: 100~240V AC North American: 277V AC Solar System: 12V DC 24VDC (for 60w & 90w)	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Blue + White Normal Color: Whole Blue Customized Color @MOQ>50pcs	Horizontal mounting adjustable pole holder (optional)	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand



120W

Light Distribution



Illumination Curve

Intensity of Illumination

Center Beam LUX

Beam Width

	V	H
2m	819.98 LUX	3.1m 10.6m
4m	205.00 LUX	6.1m 21.1m
6m	91.11 LUX	9.2m 31.7m
8m	51.25 LUX	12.3m 42.3m
10m	32.89 LUX	15.3m 52.9m
12m	22.78 LUX	18.4m 63.4m

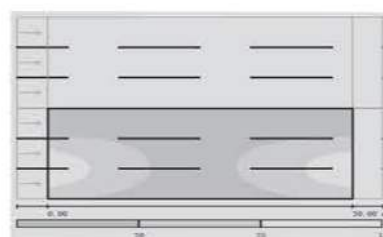
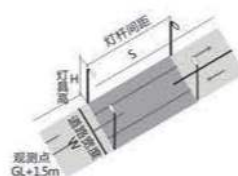
Vert Spread 75.0° Horiz Spread 138.6°

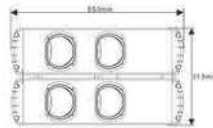
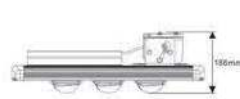
120W

Intensity of Illumination

Photometric
ParameterSimulation
Report

Power	120W
Width of road (W)	21m
Pole Distance (S)	30m
Mounting Height (H)	10m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	20lx
E _{max}	25lx
E _{min}	17lx
E _{min} /E _{av}	0.85

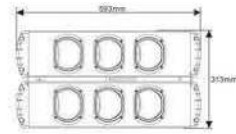


Dimension
Parameter

HB-080-80w/120w

N.W.: 12~13 kg

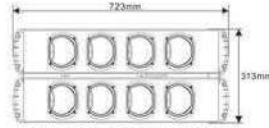
Packing Size: 620*380*260 mm



HB-080-160w/180w

N.W.: 12.5~14 kg

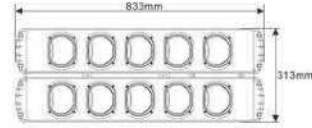
Packing Size: 660*380*260 mm



HB-080-200w/240w

N.W.: 15~16.5kg

Packing Size: 790*380*260 mm



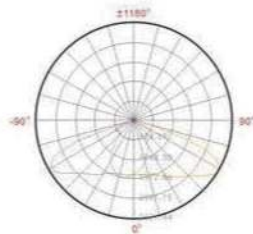
HB-080-300w

N.W.: 17.5~19 kg

Packing Size: 900*380*260 mm

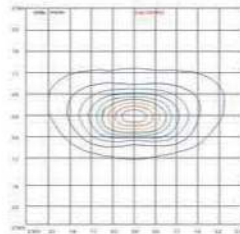
Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-080	80W	Normal:	Cool White:	Normal Bright:	Normal Color:	Horizontal mounting with 15 degree adjustable angle	Photocell
	120W	100~240V AC	5000K	115 lm/w (chips)	Whole Silvery		Smart Control System
	160W	North American: 277V AC 480V AC	Day White:	Super Bright:	Customized Color @MOQ>50pcs		Dimming function driver
	180W		4000K	135 lm/w (chips)			
	200W		Warm White:	@CRI>70			
	240W	Solar System:	3000K				20kA surge protection device
300W	12V DC 24VDC	Other customer order specially			At customer's demand		

Photometric
Parameter

80W

Light Distribution



Illumination Curve

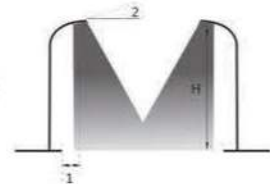
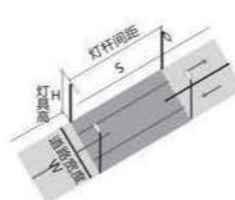


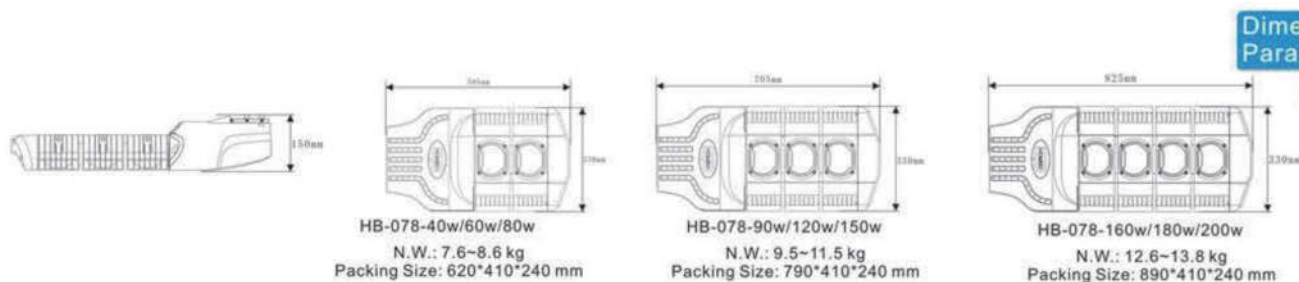
80W

Intensity of Illumination

Simulation
Report

Power	80W
Width of road (W)	14m
Pole Distance (S)	30m
Mounting Height (H)	8m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	20lx
E _{max}	27lx
E _{min}	13lx
E _{min} /E _{av}	0.65

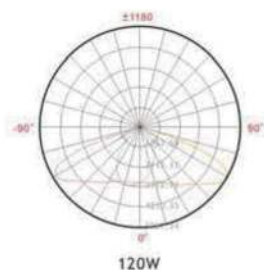




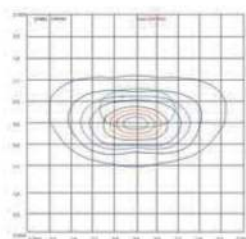
Dimension Parameter

Technical Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-078	40W 60W 80W 90W 120W 150W 160W 180W 200W 240W	Normal: 100~240V AC North American: 277V AC 480V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Whole Grey Customized Color @MOQ>50pcs	Horizontal mounting with 15 degree adjustable angle	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand



Light Distribution



Illumination Curve

Center Beam LUX

Beam Width V H

2m	819.98 LUX	3.1m	10.6m
4m	205.00 LUX	6.1m	21.1m
6m	91.11 LUX	9.2m	31.7m
8m	51.25 LUX	12.3m	42.3m
10m	32.80 LUX	15.3m	52.9m
12m	22.78 LUX	18.4m	63.4m

Vert Spread: 75.0° Horiz Spread: 135.0°

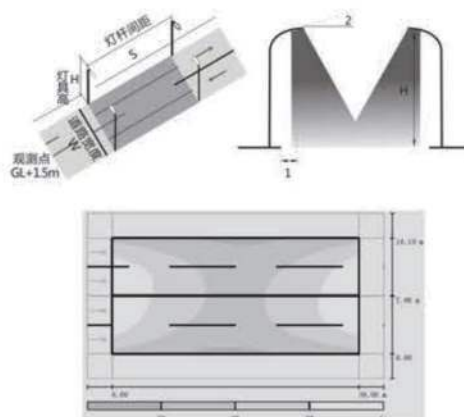
120W

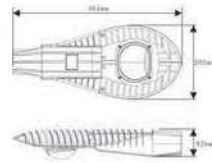
Intensity of Illumination

Photometric Parameter

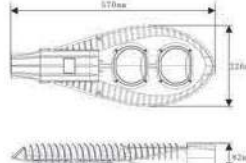
Simulation Report

Power	120W
Width of road (W)	14m
Pole Distance (S)	30m
Mounting Height (H)	10m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	26lx
E _{max}	32lx
E _{min}	20lx
E _{min} /E _{av}	0.759

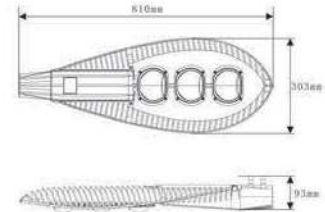


Dimension
Parameter

HB-093-30w/40w/50w
N.W.: 2.6~3.6 kg
Packing Size: 520*245*120 mm



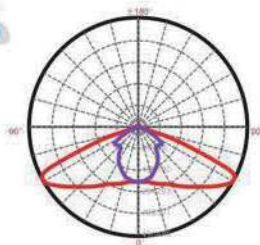
HB-093-60w/80w
N.W.: 4.5~5.5 kg
Packing Size: 620*250*125 mm



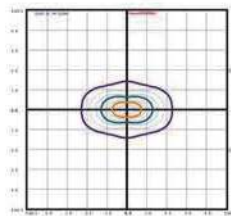
HB-093-90w/120w/150w
N.W.: 7.2~8.5 kg
Packing Size: 880*440*165 mm

Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-093	30W 40W 50W 60W 80W 90W 120W 150W 160W	Normal: 100~240V AC	Cool White: 5000K	Normal Bright: 115 lm/w (chips)	Normal Color: Whole Grey	Horizontal mounting	Photocell
		North American: 277V AC 480V AC	Day White: 4000K	Super Bright: 135 lm/w (chips) @CRI>70	Customized Color @MOQ>50pcs		Smart Control System
		Solar System: 12V DC 24VDC	Warm White: 3000K				Dimming function driver
			Other customer order specially				20kA surge protection device
							At customer's demand

Photometric
Parameter

120W
Light Distribution



Illumination Curve

Intensity at a Distance

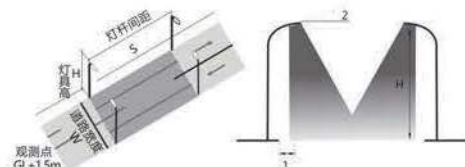
	Center Beam LUX	Beam Width	H
2m	611.94 LUX	3.4m	10.4m
4m	152.98 LUX	6.8m	20.8m
6m	67.99 LUX	10.2m	31.2m
8m	38.23 LUX	13.5m	41.5m
10m	24.48 LUX	16.9m	51.9m
12m	17.00 LUX	20.3m	62.3m

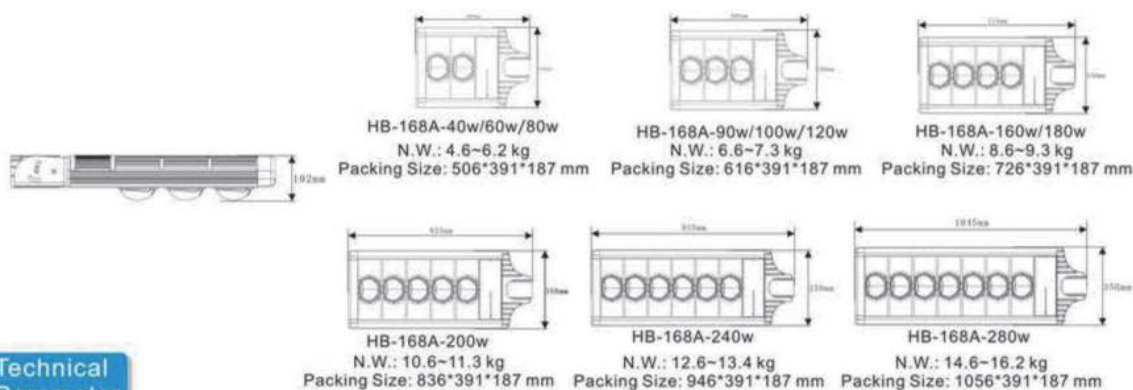
Vert Spread: 80.5 Horiz Spread: 137.9

120W
Intensity of Illumination

Simulation
Report

Power	120W
Width of road (W)	14m
Pole Distance (S)	30m
Mounting Height (H)	10m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	26lx
Emax	32lx
Emin	20lx
Emin/Eav	0.759

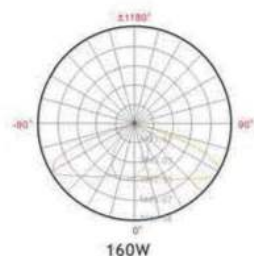




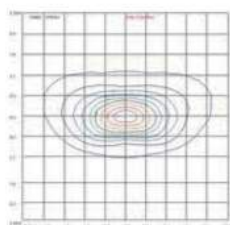
Dimension Parameter

Technical Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-168	40W	Normal: 100~240V AC	Cool White: 5000K	Normal Bright: 115 lm/w (chips)	Normal Color: Whole Grey	Horizontal mounting	Photocell
	60W 80W 90W 100W 120W 160W 180W 200W 240W 280W		Day White: 4000K	Super Bright: 135 lm/w (chips)	Customized Color @MOQ>50pcs	Vertical mounting with 15 degree adjustable angle	Smart Control System Dimming function driver 20kA surge protection device At customer's demand
		North American: 277V AC 480V AC	Warm White: 3000K	@CRI>70			
		Solar System: 12V DC 24VDC	Other customer order specially				



Light Distribution



Illumination Curve

Intensity of Illumination

	Center Beam LUX	Beam Width V	H
2m	1143.65 LUX	3.5m	11.1m
4m	285.91 LUX	7.0m	22.21m
6m	127.07 LUX	10.5m	33.4m
8m	71.48 LUX	14.1m	44.6m
10m	45.75 LUX	17.6m	55.7m
12m	31.77 LUX	21.1m	66.8m

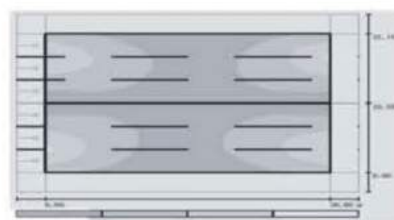
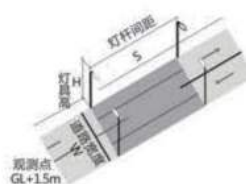
Vert Spread 82.8 Horizontal Spread 140.6

Intensity of Illumination

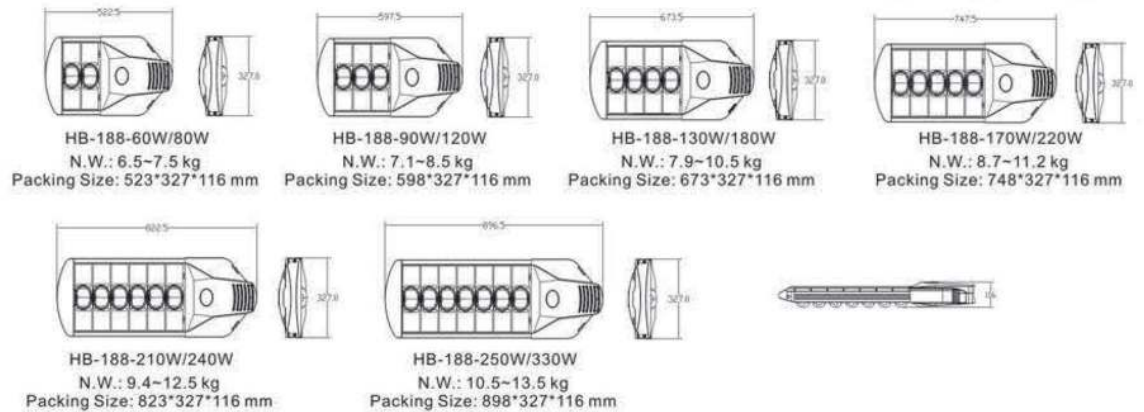
Photometric Parameter

Simulation Report

Power	160W
Width of road (W)	21m
Pole Distance (S)	30m
Mounting Height (H)	10m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	28lx
E _{max}	34lx
E _{min}	23lx
E _{min} /E _{av}	0.830



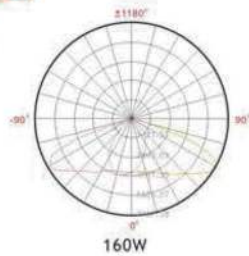
Dimension Parameter



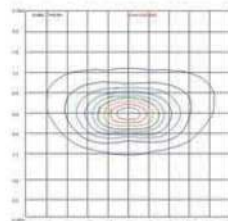
Technical Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-188	40W 60W 80W 90W 100W 120W 160W 180W 200W 240W 280W 300W	Normal: 100~240V AC North American: 277V AC 480V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Whole Grey Customized Color @MOQ>50pcs	Horizontal mounting	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand

Photometric Parameter



Light Distribution



Illumination Curve

Center Beam LUX

Beam Width

Y

H

2m	1143.65 LUX	3.5m	11.1m
4m	285.91 LUX	7.0m	22.31m
6m	127.07 LUX	10.6m	33.4m
8m	71.48 LUX	14.1m	44.6m
10m	45.75 LUX	17.6m	55.7m
12m	31.77 LUX	21.1m	66.8m

Vert Spread: 32.8

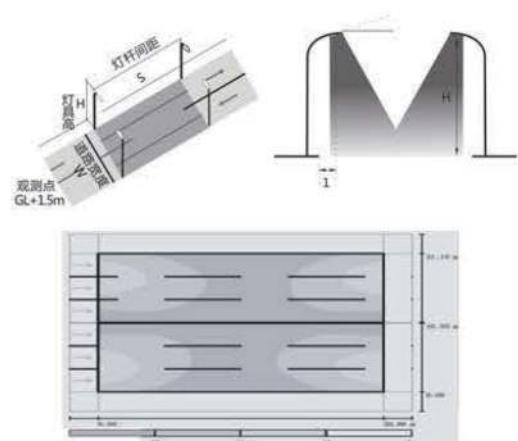
Horiz Spread: 140.9

160W

Intensity of Illumination

Simulation Report

Power	160W
Width of road (W)	21m
Pole Distance (S)	30m
Mounting Height (H)	10m
Arrangement	Double row, symmetry
Overhand Angle	15°
Light loss factor	0.88
Average Illumination	28lx
E _{max}	34lx
E _{min}	23lx
E _{min} /E _{av}	0.830





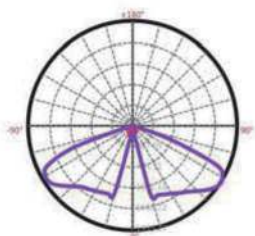
Dimension Parameter

HB-035-02-20w/30w/40w/50w/60w
N.W.: 7.6~8.3 kg
Packing Size: 525*525*675 mm

Technical Parameter

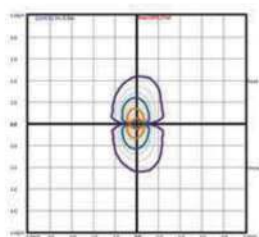
Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-035-02	20W	Normal: 100~240V AC	Cool White: 5000K	Normal Bright: 115 lm/w (chips)	Normal Color: Whole Black	Vertical mounting	Photocell
	30W						Smart Control System
	40W	North American: 277V AC	Day White: 4000K	Super Bright: 135 lm/w (chips)	Customerized Color @MOQ>50pcs	Top post or Wall mounting	Dimming function driver
	50W 60W	Solar System: 12V DC 24VDC	Warm White: 3000K Other customer order specially	@CRI>70		Diameter of pole: 90mm	20kA surge protection device At customer's demand

Photometric Parameter



50W

Light Distribution



Illumination Curve

50W

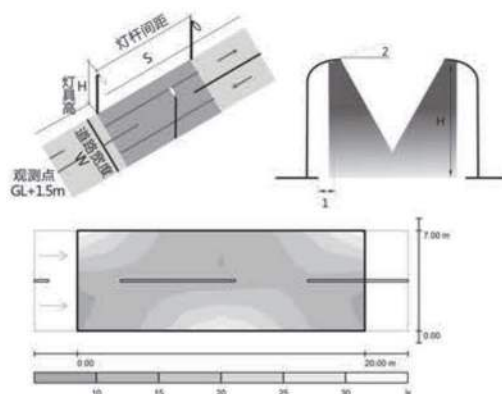
Intensity of Illumination

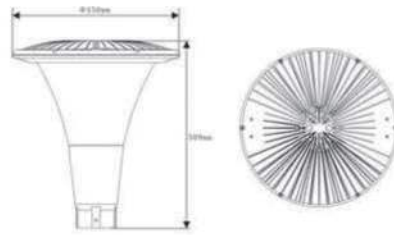
Center Beam LUX	Beam Width V	Beam Width H
32.99 LUX	2.5m	2.2m
8.25 LUX	4.2m	4.5m
3.67 LUX	6.3m	6.7m
2.06 LUX	8.4m	9.0m
1.52 LUX	10.5m	11.2m
0.92 LUX	12.6m	13.5m

Vert Spread 55.5 Horiz Spread 58.6

Simulation Report

Power	50w
Width of road (W)	7 m
Pole Distance (S)	20 m
Mounting Height (H)	6 m
Arrangement	Doulbe row/opposing
Overhand Angle	0°
Light loss factor	0.88
Average Illumination	15 lx
E _{max}	28 lx
E _{min}	9.71 lx
E _{min} /E _{av}	0.350

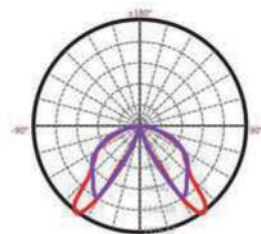


Dimension
Parameter

HB-035-04-20w/30w/40w/50w/60w
N.W.: 6.4~7.5 kg
Packing Size: 525*525*585 mm

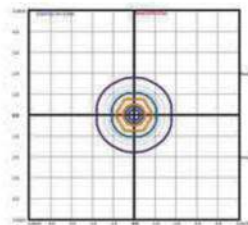
Technical
Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-035-04	20W	Normal: 100~240V AC	Cool White: 5000K	Normal Bright: 115 lm/w (chips)	Normal Color: Whole Black	Vertical mounting	Photocell
	30W	North American: 277V AC	Day White: 4000K	Super Bright: 135 lm/w (chips)	Customized Color @MOQ>50pcs	Top post or Wall mounting	Smart Control System
	40W	Solar System: 12V DC 24VDC	Warm White: 3000K	@CRI>70			Dimming function driver
	50W		Other customer order specially			Diameter of pole: 90mm	20kA surge protection device
	60W						At customer's demand

Photometric
Parameter

50W

Light Distribution



Illumination Curve

50W

Intensity of Illumination

	Center Beam LUX	Beam Width V	Beam Width H
2m	5.52 LUX	5.3m	1.1m
4m	1.38 LUX	10.6m	2.1m
6m	0.61 LUX	16.0m	3.2m
8m	0.34 LUX	21.3m	4.2m
10m	0.22 LUX	26.6m	5.3m
12m	0.15 LUX	31.9m	6.3m

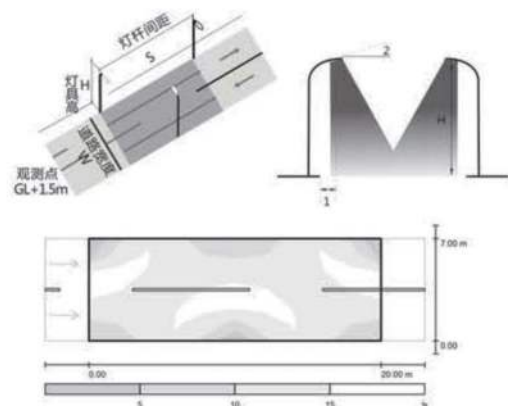
Vert Spread 106.1 Horiz Spread 29.6

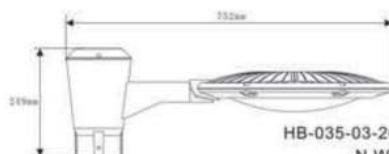
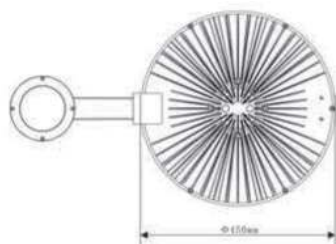
50W

Intensity of Illumination

Simulation
Report

Power	50w
Width of road (W)	7 m
Pole Distance (S)	20 m
Mounting Height (H)	6 m
Arrangement	Doulbe row/opposing
Overhand Angle	0°
Light loss factor	0.88
Average Illumination	13 lx
E _{max}	19 lx
E _{min}	4.1 lx
E _{min} /E _{av}	0.213



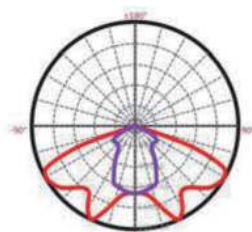


HB-035-03-20w/30w/40w/50w/60w
N.W.: 7.6~8.3 kg
Packing Size: 825*525*315 mm

Dimension Parameter

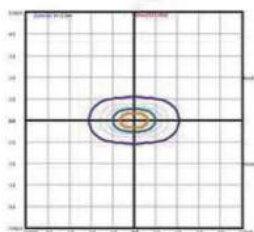
Technical Parameter

Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-035-03	20W 30W 40W 50W 60W	Normal: 100~240V AC North American: 277V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Whole Black Customized Color @MOQ>50pcs	Vertical mounting Top post or Wall mounting Diameter of pole: 90mm	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand



50W

Light Distribution



Illumination Curve

Beam Width V H

Center Beam LUX	Beam Width V	Beam Width H
327.03 LUX	2.2m	11.3m
81.76 LUX	4.4m	22.7m
36.34 LUX	6.7m	34.0m
20.44 LUX	8.9m	45.4m
13.08 LUX	11.1m	56.7m
9.08 LUX	13.3m	68.1m

Vert Spread 58.1 Horiz Spread 141.2

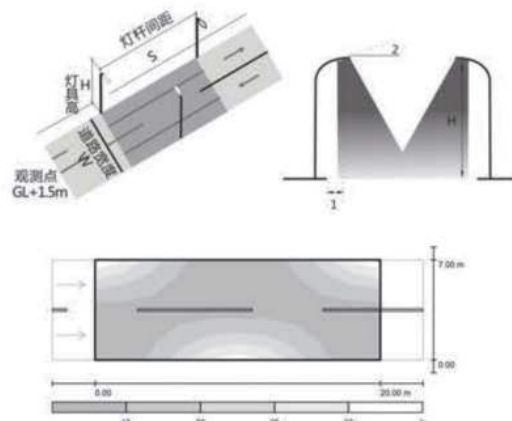
50W

Intensity of Illumination

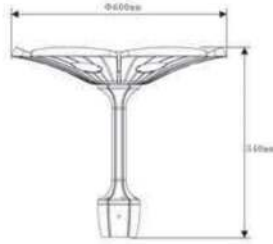
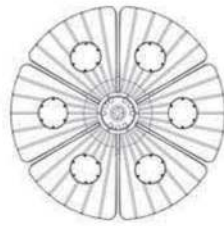
Photometric Parameter

Simulation Report

Power	50w
Width of road (W)	7 m
Pole Distance (S)	20 m
Mounting Height (H)	6 m
Arrangement	Doulbe row/opposing
Overhand Angle	0°
Light loss factor	0.88
Average Illumination	16 lx
E _{max}	29 lx
E _{min}	12 lx
E _{min} /E _{av}	0.404



Dimension Parameter

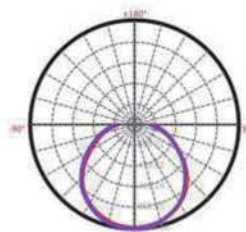


HB-063-01-30w/40w/50w/60w
N.W.: 5.1~6.3 kg
Packing Size: 560*560*630 mm

Technical Parameter

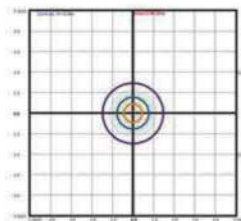
Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-063-01	30W 40W 50W 60W	Normal: 100~240V AC North American: 277V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Whole Grey Customized Color @MOQ>50pcs	Vertical mounting Top post or Wall mounting Diameter of pole: 90mm	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand

Photometric Parameter



50W

Light Distribution



Illumination Curve

Beam Width
W

Center Beam Lux

Distance	Center Beam Lux	Beam Width W
2m	298.20 LUX	6.9m
4m	74.55 LUX	13.7m
6m	33.13 LUX	20.6m
8m	18.64 LUX	27.4m
10m	11.93 LUX	34.3m
12m	8.28 LUX	41.3m

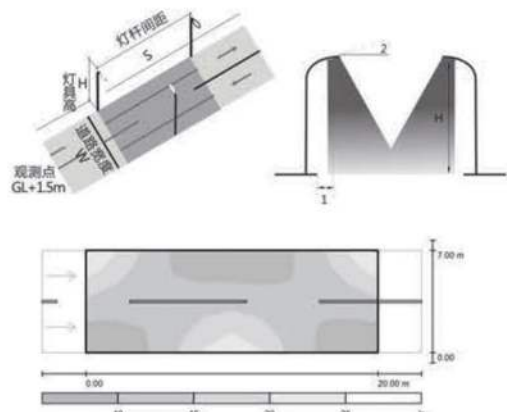
Vert.Spread:119.6 Horiz.Spread:118.4

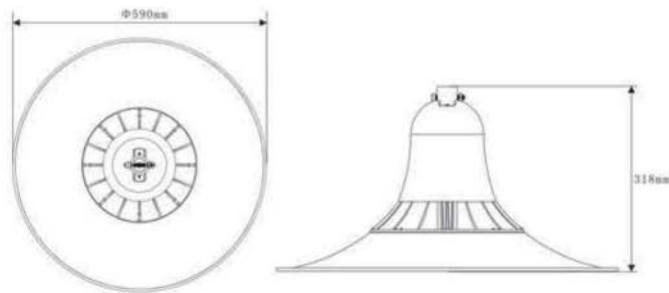
50W

Intensity of Illumination

Simulation Report

Power	50w
Width of road (W)	7 m
Pole Distance (S)	20 m
Mounting Height (H)	6 m
Arrangement	Doulbe row/opposing
Overhand Angle	0°
Light loss factor	0.88
Average Illumination	12 lx
E _{max}	22 lx
E _{min}	7.32 lx
E _{min} /E _{av}	0.328





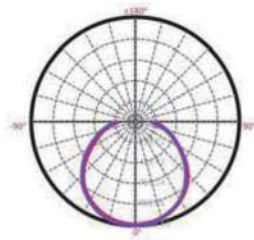
Dimension Parameter

HB-061-01-30w/45w/60w
N.W.: 4.6~7.3 kg
Packing Size: 620*620*338 mm

Technical Parameter

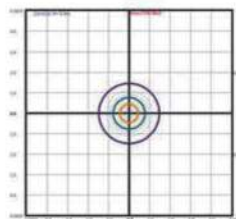
Series No.	Wattage	Input Voltage	Color Temperature	Lumen Efficiency	Color Options	Mounting	Accessories
HB-061-01	30W 45W 60W	Normal: 100~240V AC North American: 277V AC Solar System: 12V DC 24VDC	Cool White: 5000K Day White: 4000K Warm White: 3000K Other customer order specially	Normal Bright: 115 lm/w (chips) Super Bright: 135 lm/w (chips) @CRI>70	Normal Color: Whole Black Customized Color @MOQ>50pcs	Hoisting mounting Diameter of pole: 40mm	Photocell Smart Control System Dimming function driver 20kA surge protection device At customer's demand

Photometric Parameter



50W

Light Distribution



Illumination Curve

Illuminance at a Distance

	Center Beam LUX	Beam Width V	Beam Width H
2m	298.20 LUX	6.9m	6.7m
4m	74.55 LUX	13.7m	13.4m
6m	33.13 LUX	20.6m	20.1m
8m	18.64 LUX	27.4m	26.8m
10m	11.93 LUX	34.3m	33.5m
12m	8.28 LUX	41.1m	40.2m

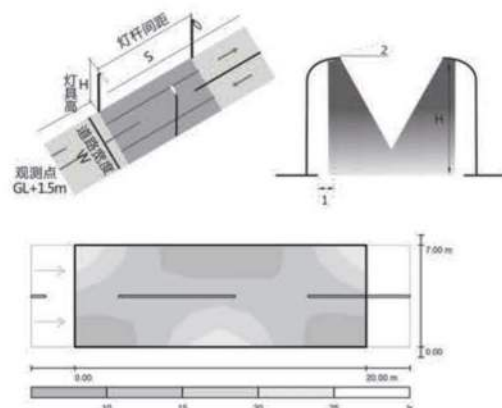
Vert Spread 119.6 Horiz Spread 118.4

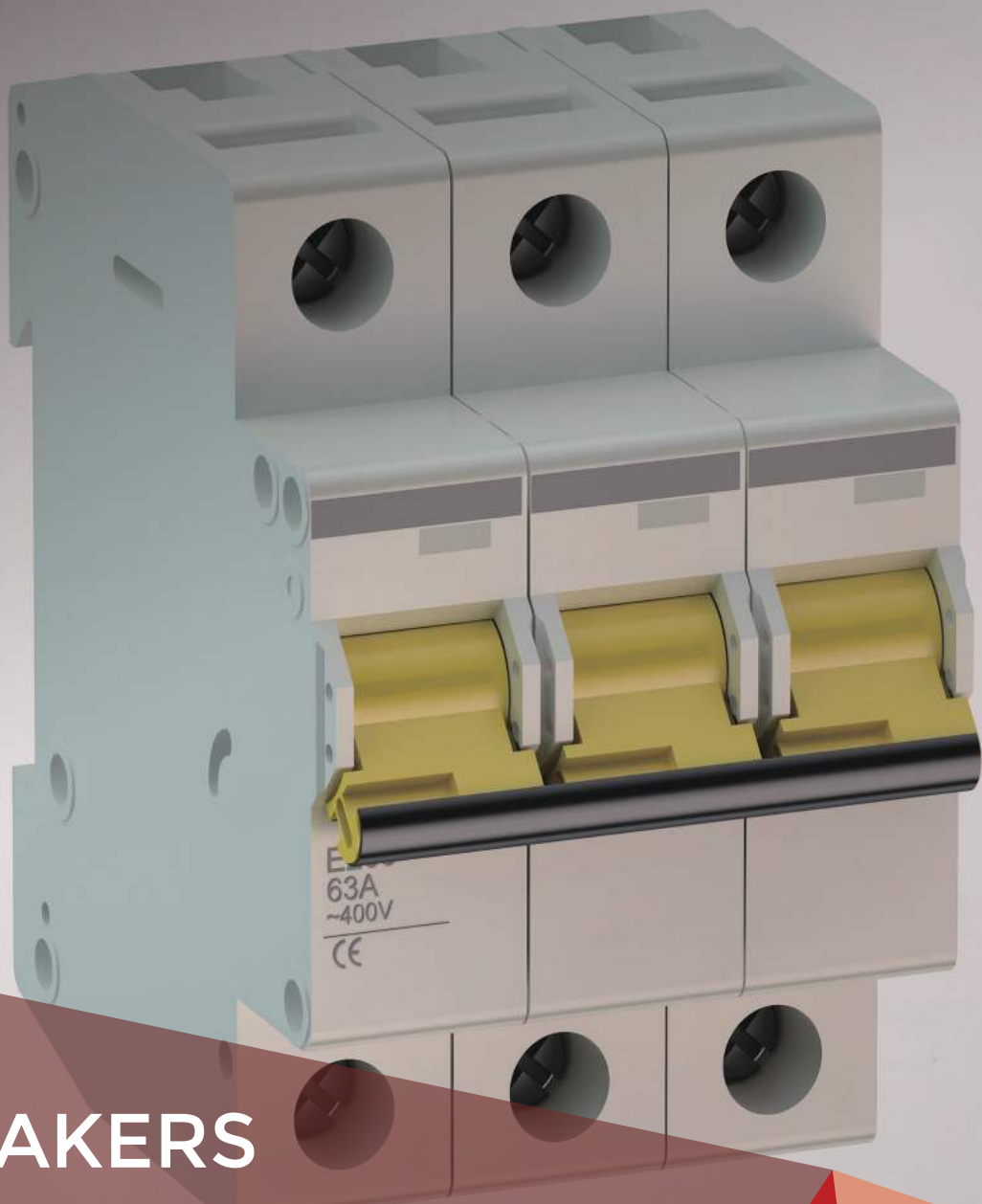
50W

Intensity of Illumination

Simulation Report

Power	50w
Width of road (W)	7 m
Pole Distance (S)	20 m
Mounting Height (H)	6 m
Arrangement	Double row/opposing
Overhand Angle	0°
Light loss factor	0.88
Average Illumination	16 lx
E _{max}	29 lx
E _{min}	12 lx
E _{min} /E _{av}	0.404





BREAKERS

Minature circuit breaker

DZ47-60 Miniature Circuit Breaker

1.Scope of application

DZ47-60 Miniature Circuit Breaker, mainly used for exchange 50HZ, rated voltage to 400v, rated current to the circuit 63a overload, short circuit protection, in the meantime, it is also possible to pass the breaker device and the lighting circuit infrequently under normal conditions, but not to protect the motor.

Standards compliant: GB 10963.1 IEC 60898-1 Access to CCC certification

2.Model and meaning

DZ 47-61

Shelf class rated

Design Number

Plastic shell circuit breakers



3.The main parameters and technical performance

TECHNICAL PARAMETERS OF THE PROJECT	PARAMETER VALUE
RATED VOLTAGE	230V/400V AC (1 P), 400 V AC (2P,3P,4P)
RATED CURRENT	1A,2A,3A,4A,5A,6,A,10A,15A,16A,20A,25A,32A,40A, 50A,60A,63A
POLES NUMBERS	1P,2P,3P,4P
INSTANTANEOUS TRIPPING TYPE	C TYPE D TYPE
TRIPPING CHARACTERISTICS	SEE TABLE 2 AND FIGURE 1,FIGURE 2
TEMPERATURE COMPENSATION FACTOR	SEE TABLE 3
DIFFERENT ALTITUDE CORRECTION FACTOR	SEE TABLE 4
MECHANICAL ELECTRICAL LIFE	SEE TABLE 5
RATED BREAKING CAPACITY	SEE TABLE 6
CONNECT THE WIRE	SEE TABLE 7
TIGHTENING TORQUE	2.0N,M
OVERALL DIMENSIONS AND INSTALLATION DIMENSIONS	SEE PICTURE3,4
POLLUTION LEVEL	LEVEL 2
DEGREE OF PROTECTION	IP20
BY CATEGORY	II III CLASE

TEST	FORM	TEST CURRENT	STARTING STATE	TRIPPING OR NO TRIPPING TIME LIMIT	EXEPECTED OUTCOME	NOTE
A	C,D	1.13IN	COLD STATE	$T \leq 1H$	DO NOT TRIP	THE CURRENT STEADILY
B	C,D	1.45 IN	FOLLOWED BY A TEST	$T < 1H$	TRIPPING	INCREASES WITH-IN 5 S
C	C,D	2.55IN	COLD STATE	$1S < T < 60S (IN \leq 32A)$	TRIPPING	
				$1S < T < 120S (IN > 32A)$		
D	C	5IN	COLD STATE	$T \leq 0.1 S$	DO NOT TRIP	CONNECT THE CURRENT BY CLOSING THE AUXILIARY SWITCH
	D	10IN				
E	C	5IN	COLD STATE	$T < 0.1 S$	TRIPPING	CONNECT THE CURRENT BY CLOSING THE AUXILIARY
	D	10IN				

RATED CURRENT IN(A)	DIFFERENT TEMPERATURE CORRESPONDING TO THE COMPENSATION FACTOR								
	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
1-6	1.20	1.14	1.09	1.05	1.00	0.96	0.80	0.75	0.70
10-32	1.18	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84
40-63	1.16	1.12	1.07	1.03	1.00	0.97	0.87	0.83	0.80

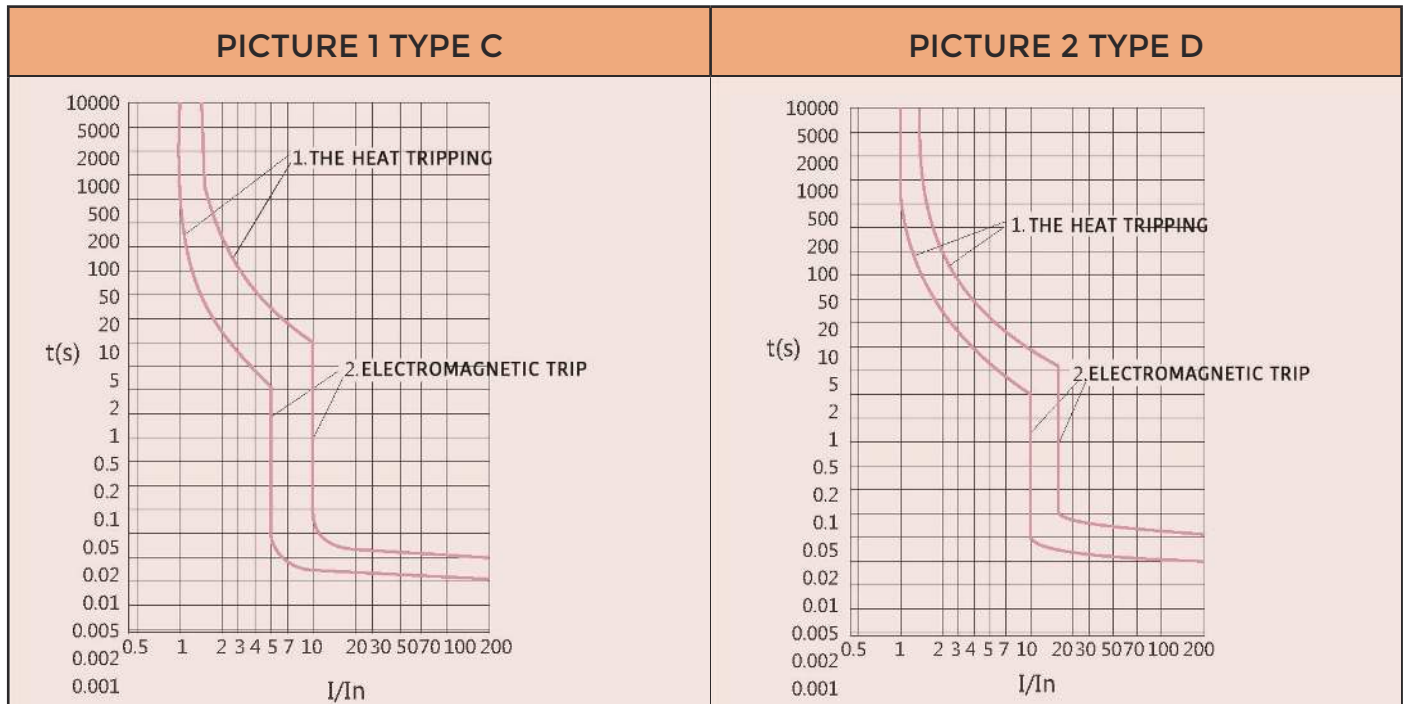
Using current under different altitude correction coefficient

TRIPPING TYPES	RATED CURRENT(A)	$\leq 2000m$	(2000-3000)m	$\geq 3000m$	EXAMPLE
C,D	1,2,3,4,5,6,10,15,16,20,25,32,40,50,60,63	1	0.9	0.8	RATED CURRENT 10A PRODUCT IN THE 2500M AFTER REDUCING CAPACITY USING CURRENT IS: $0.9 \times 10 = 9A$

PROJECT	FATIGUE LIFE(EACH TIME)
MECHANICAL LIFE	10000
ELECTRUCAL LIFE	4000

RATED CURRENT	NUMBER OF POLES	VOLTAGE(V)	ON-OFF ABILITY
C1-C40	1	230/400	6000
C1-C40	2,3,4	400	6000
C50-C63	1	230/400	4000
C50-C63	2,3,4	400	4000
D1-D63	1	230/400	4000
D1-D63	2,3,4	400	4000

TRIPPING CHARACTERISTICS CURVE



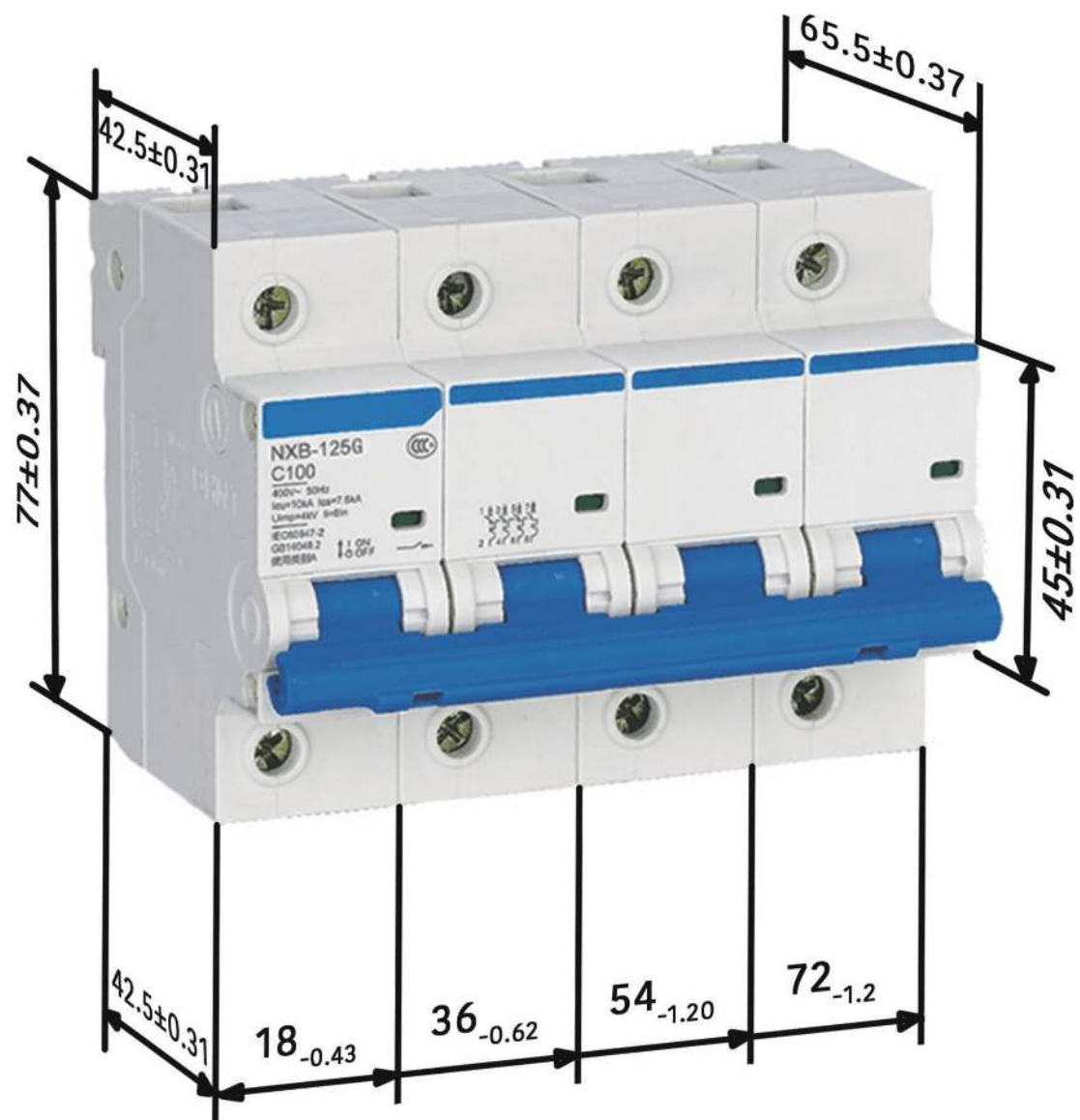
CONNECTION:APPLY 16MM² AND THE FOLLOWING WIRE CONNECTION

RATED CURRENT IN(A)	COPPER WIRES NOMINAL CROSS-SECTIONAL AREA
1-6	1
10	1.5
15,16,20	2.5
25	4
32	6
40,50	10
60,63	16

OTHER

Environment temperatre -5°C-+40°C,The average temperature of no more than 35°C within 24H.

Appearance and installation method



UNIT: mm

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Get in Touch

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